

MCNGHEE-TYSON AIRPORT TENNESSEE REVISED UNIFORM SUMMARY
OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 30 JAN 84
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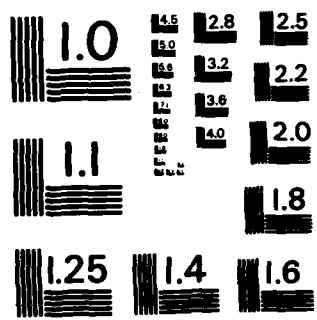
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TECHNICAL APPLICATIONS CENTER SCOT
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Air Weather Service (MAC)**

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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MCGHEE-TYSON APT TN MSC #723260
N 35 29 W 084 00 ELEV 981 FT TYS

PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: SEP 73 - AUG 83
SUMMARY OF DAY DATA: JAN 48 - AUG 83

TIME CONVERSION GMT TO LST: -5

30 JAN 1984

EXEMPTION STATEMENT A
Approved for public release
Distribution Unlimited

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-84/006	2. GOVT ACCESSION NO. ADA140 245	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- MCGHEE-TYSON AIRPORT, TENNESSEE		5. TYPE OF REPORT & PERIOD COVERED Final rept															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>This report is a six-part statistical summary of surface weather observations for McGhee-Tyson Airport, Knoxville, Tennessee.</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric (over)</p>																	

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
*TENNESSEE *MCGHEE-TYSON *MCGHEE-TYSON APT
*MCGHEE-TYSON AIRPORT *KNOXVILLE *USTN723260

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

REVIEW AND APPROVAL STATEMENT

This report, ETAC/DS-84-006 , is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

Wayne E. McCollom

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Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burgmann

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Director, Air Weather Service
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Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

PART B PRECIPITATION SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

USAFETAC FORM NOV 73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. CONTINUED ON REVERSE SIDE

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260 MCGHEE TYSON AIRPORT TN

74-83

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.3	11.7	1.2	5.1		17.4	20.0	1.4			21.1	930
	03-05	.4	12.2	.9	4.9		17.6	22.5	1.4	.1		23.9	930
	06-08	.2	13.5	.6	6.9		20.8	25.7	1.8		.1	27.3	930
	09-11	.1	12.8	.8	9.2		22.0	27.2	7.2			32.0	930
	12-14		13.4	.9	6.1		19.4	18.5	7.1		.1	24.9	930
	15-17		12.5	.4	4.0		16.6	15.1	5.2			18.9	930
	18-20	.1	13.8	.8	4.2		18.2	16.7	4.0			19.0	930
	21-23	.1	11.0	1.0	4.6		16.0	16.6	3.0			18.0	930
TOTALS		.2	12.6	.8	5.6		18.5	20.3	3.9	.0	.0	23.1	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260 MCGHEE TYSON AIRPORT TN

74-83

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.6	11.2	.1	5.4		15.8	12.6	4.8		.4	17.6	846
	03-05	.5	10.1		5.9		15.3	15.8	4.3	.4	.2	20.3	844
	06-08	.2	12.4	.1	5.8		17.6	18.6	3.5		.2	21.6	846
	09-11	.1	10.8	.2	6.0		16.2	18.1	7.8		.5	25.3	845
	12-14	.2	9.7		3.9		13.1	11.7	7.9		.4	19.4	846
	15-17		9.8		3.0	.1	12.4	9.0	6.8		.4	15.6	844
	18-20	.4	9.0	.1	3.2		11.9	8.7	7.1		.5	15.6	846
	21-23	.5	9.9	.5	4.0		13.9	9.0	7.0		.4	15.6	846
TOTALS		.3	10.4	.1	4.7	.0	14.3	12.9	6.2	.1	.4	18.9	6763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723267

MCGHEE TYSON AIRPORT TN

74-83

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02	.8	11.4		.9		12.3	9.6	.3			9.8	930
	03-05	1.3	12.9		2.2	.1	14.7	14.1	.3			14.1	930
	06-08	1.3	13.4		1.9		15.1	20.2	.9			20.8	930
	09-11	.8	11.0	.2	2.5		13.3	15.3	4.0			19.0	930
	12-14	.8	9.5		2.6		12.0	7.0	1.7			8.6	930
	15-17	.5	11.1		1.6		12.6	6.2	1.5			7.5	930
	18-20	.9	10.6		1.5		11.8	7.2	.3			7.5	930
	21-23	.5	10.6		1.6		12.2	8.0	.3			8.3	930
TOTALS		.9	11.3	.0	1.9	.0	13.0	11.0	1.2			12.0	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

723250 MCGHEE TYSON AIRPORT TN

74-83

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	.6	7.3				7.3	4.8				4.8	900
	03-05	.4	7.7				7.7	7.0				7.0	900
	06-08	1.0	8.2		.2		8.3	11.3	.2			11.3	900
	09-11	1.2	9.5		.2	.1	9.7	9.1	2.4			11.5	899
	12-14	.9	7.7				7.7	3.3	1.0		.1	4.4	900
	15-17	.7	6.3				6.3	2.2	.2			2.4	900
	18-20	1.2	7.2				7.2	2.4	.2		.1	2.8	900
	21-23	1.3	8.2				8.2	4.2	.2			4.4	899
TOTALS		.9	7.8		.1	.0	7.8	5.5	.5		.0	6.1	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260 MCGHEE TYSON AIRPORT TN 74-83 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	.4	8.3				8.3	19.7	5.8			23.7	930
	03-05	1.1	8.2				8.2	33.3	5.6			35.9	930
	06-08	.6	9.6				9.6	41.5	9.5			45.9	930
	09-11	.3	7.1				7.1	14.7	18.6			31.6	928
	12-14	1.1	9.8				9.8	5.3	12.6			17.0	930
	15-17	3.2	10.5				10.5	4.3	7.5			11.4	930
	18-20	2.6	10.2				10.2	4.7	5.4			9.8	930
	21-23	1.6	7.8				7.8	9.4	6.0			14.3	930
TOTALS		1.4	8.9				8.9	16.6	8.9			23.7	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260 MCGHEE TYSON AIRPORT TN

74-83

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	1.7	5.1				5.1	11.8	7.1			17.8	900
	03-05	1.1	5.7				5.7	22.9	7.2			27.8	899
	06-08	.6	6.1				6.1	37.6	15.6			47.3	900
	09-11	.3	4.2				4.2	8.8	21.9			29.2	900
	12-14	.7	4.3				4.3	1.7	15.4			16.3	900
	15-17	3.0	6.3				6.3	2.4	11.6			13.8	899
	18-20	3.4	5.7				5.7	2.8	10.9		.1	13.7	900
	21-23	1.6	5.0				5.0	4.2	10.6			14.3	900
TOTALS		1.6	5.3				5.3	11.5	12.5		.0	22.5	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723267

MCGHEE TYSON AIRPORT TN

74-83

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	1.4	3.8				3.8	17.8	28.5			41.4	930
	03-05	.4	3.9				3.9	33.1	28.0			53.1	930
	06-08	.8	4.1				4.1	44.1	37.2			66.2	929
	09-11	.4	4.3				4.3	10.2	46.2			54.5	929
	12-14	2.2	6.2				6.2	4.0	37.0			47.8	930
	15-17	4.8	8.1				8.1	2.4	31.6			33.8	930
	18-20	3.7	6.3				6.3	1.8	32.0			33.3	930
	21-23	2.5	4.0				4.0	4.4	32.8			36.2	930
TOTALS		2.0	5.1				5.1	14.7	34.2			44.9	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260 MCGHEE TVSCN AIRPORT TN

74-87

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02	.6	2.8				2.8	14.9	28.2			38.4	937
	03-05	.4	3.2				3.2	29.5	28.4			47.8	928
	06-08	.3	3.8				3.8	53.9	31.8			67.4	929
	09-11	.2	4.5				4.5	13.7	43.8			53.7	930
	12-14	1.5	3.0				3.0	2.4	35.3			37.2	937
	15-17	4.0	5.7				5.7	1.4	28.4			29.6	937
	18-20	2.7	6.0				6.0	3.2	26.3			28.9	928
	21-23	1.7	5.0				5.0	6.6	26.5			32.3	927
TOTALS							4.3	15.7	31.1			41.9	7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260

MCGHEE TYSON AIRPORT TN

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.7	4.1				4.1	19.3	9.6			27.6	900
	03-05	.3	6.0				6.3	32.4	8.2			38.4	900
	06-08	.2	8.0				8.0	52.1	12.3			56.8	900
	09-11	.9	8.7				8.7	22.8	30.9			49.6	900
	12-14	.3	8.7				8.7	7.0	19.4			26.0	900
	15-17	1.9	9.9				9.9	6.7	13.9			20.1	900
	18-20	1.3	8.3				8.3	7.1	11.6			18.0	900
	21-23	.9	4.4				4.4	8.3	11.7			19.6	900
TOTALS		.8	7.3				7.3	19.5	14.7			32.0	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723262 MCGHEE TYSON AIRPORT TN

73-87

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.1	7.1				7.1	14.5	3.1			16.8	930
	03-05		7.1				7.1	24.9	3.1			26.3	930
	06-08	.2	8.1				8.1	36.2	6.9			38.1	930
	09-11	.1	8.3				8.3	21.7	15.5			34.6	930
	12-14		7.0				7.0	7.8	10.3			17.1	930
	15-17	.1	6.7				6.7	5.3	5.6			10.0	929
	18-20	.1	5.2				5.2	5.7	4.1			9.4	930
	21-23	.1	7.8				7.8	7.5	4.0			10.8	930
TOTALS		.1	7.2				7.2	15.5	6.6			20.4	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260 MCGHEE TYSON AIRPORT TN

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02	.3	10.8		.4		11.1	14.4	1.8			16.2	900
	03-05	.3	10.1		.3		10.4	19.4	1.2			20.4	900
	06-08		10.9		.4		11.3	23.7	3.0		.1	25.4	900
	09-11	.2	9.6		.9		10.4	21.3	11.8			31.1	900
	12-14		11.2		.7		11.7	10.5	7.2			17.7	899
	15-17	.1	10.3	.2	.7		11.0	9.8	2.8			12.3	900
	18-20	.1	10.6		.4	.2	11.2	10.1	1.8			11.7	900
	21-23	.6	12.4		.6		12.8	12.3	1.2			13.5	897
TOTALS		.2	10.7	.0	.6	.0	11.2	15.2	3.9		.0	18.5	7196

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260 MCGHEE TYSON AIRPORT TN

73-87

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02	.2	11.7	.1	2.3		14.0	13.7	.4			13.8	930
	03-05	.2	14.1		3.0		17.0	16.6	.9			17.1	930
	06-08	.2	16.1		3.3		18.7	20.6	1.1			21.2	930
	09-11	.1	13.5	.1	2.5		15.7	20.4	4.0			22.8	930
	12-14		11.1	.2	2.3		12.6	12.4	3.6			15.2	929
	15-17		11.1	.1	1.8		12.5	10.3	2.7			12.7	930
	18-20		10.4		1.2		11.4	11.7	1.7			13.0	930
	21-23		10.4		1.8		12.2	11.8	1.3			12.4	930
TOTALS		.1	12.3	.1	2.3		14.3	14.7	2.0			16.0	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

723260

MCGHEE TYSON AIRPORT TN

73-83

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.2	12.6	.8	5.6		18.5	20.3	3.9	.0	.0	23.1	7440
FEB		.3	10.4	.1	4.7	.0	14.5	12.9	6.2	.1	.4	18.9	6763
MAR		.9	11.3	.0	1.9	.0	13.0	11.0	1.2			12.0	7440
APR		.9	7.8		.1	.0	7.8	5.5	.5		.0	6.1	7198
MAY		1.4	8.9				8.9	16.6	8.9			23.7	7438
JUN		1.6	5.3				5.3	11.5	12.5		.0	22.5	7198
JUL		2.0	5.1				5.1	14.7	34.2			44.9	7438
AUG		1.4	4.3				4.3	15.7	31.1			41.9	7432
SEP		.8	7.3				7.3	19.5	14.7			32.0	7200
OCT		.1	7.2				7.2	15.5	6.6			20.4	7439
NOV		.2	10.7	.0	.6	.0	11.2	15.2	3.9		.0	18.5	7196
DEC		.1	12.3	.1	2.3		14.3	14.7	2.0			16.0	7439
TOTALS		.8	8.6	.1	1.3	.0	9.8	14.4	10.5	.0	.0	23.3	87621

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $5/8$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

72326 STATION MCGHEE TYSON AIRPORT TN 48-87 YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	2.5	46.1	3.6	22.6	.2	57.2	44.5	37.9	.4		6.2	1115
FEB		4.9	47.4	1.6	18.2	.6	55.7	41.6	37.2	.1		58.8	1016
MAR		10.4	50.4	.3	12.1	.7	56.0	35.1	30.5	.1		51.1	1116
APR		14.2	47.1		1.8	1.4	47.5	28.0	19.1			36.3	1080
MAY		20.3	44.9			1.2	44.9	41.7	30.9			51.6	1116
JUN		25.5	45.7			.8	45.7	45.1	44.9			59.2	1079
JUL		30.6	49.8			.4	49.8	51.8	53.6			67.4	1116
AUG		21.5	43.3			.6	43.3	61.5	59.4			74.5	1116
SEP		10.0	39.3			.1	39.3	59.1	48.7			68.4	1049
OCT		4.2	33.7		.1	.1	33.7	52.7	45.5			65.0	1084
NOV		3.2	42.2	.2	8.8		45.6	45.0	40.4			61.4	1050
DEC		1.8	43.6	1.0	15.8	.3	50.8	41.9	38.4			59.2	1083
TOTALS		12.4	44.5	.6	6.6	.5	47.5	45.7	40.5	.0		59.4	13220

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

B

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

723260 MCGHEE TYSON AIRPORT TN

45-83

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01 0.4	0.5 1.4	1.5 2.4	2.5 3.4	3.5 4.4	4.5 6.4	6.5 10.4	10.5 15.4	15.5 25.4	25.5 50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	42.7	16.8	2.8	5.8	5.1	7.9	7.9	8.2	2.4	.3				40.4	1116	4.67	11.74	1.55	
FEB	44.3	14.9	3.2	6.2	4.1	7.5	9.5	6.8	3.3					40.7	1017	4.21	8.29	.74	
MAR	43.9	14.9	1.9	7.0	3.8	8.2	8.6	7.3	3.9	.4				41.2	1116	5.32	10.42	1.99	
APR	52.5	10.7	2.9	6.2	5.5	7.0	6.8	5.7	2.5	.2				36.8	1080	3.83	7.26	.39	
MAY	54.9	9.9	1.7	5.6	4.7	8.3	6.4	6.0	2.3	.1				35.1	1116	3.79	7.98	.74	
JUN	54.4	10.9	2.4	5.1	4.3	7.4	6.8	5.8	2.7	.3				34.7	1080	3.92	7.58	.97	
JUL	50.3	12.7	2.2	5.4	4.2	7.7	7.6	6.1	3.7	.1				37.	1116	4.46	7.09	.70	
AUG	56.7	12.1	2.8	6.0	3.7	6.1	6.3	4.7	1.3	.4				31.2	1116	3.11	6.72	.77	
SEP	60.8	10.2	2.9	5.0	4.5	4.8	4.2	5.7	2.0	.1				29.0	1050	2.98	6.98	.50	
OCT	66.4	8.6	1.8	5.2	2.7	5.3	4.4	3.2	2.5					25.1	1085	2.80	6.67	TRACE	
NOV	54.3	12.0	2.0	6.4	3.3	6.0	7.0	6.3	2.6	.2				33.7	1050	3.89	10.36	1.40	
DEC	49.0	15.8	2.6	5.3	4.3	6.9	6.0	6.1	3.9	.2				35.2	1085	4.53	11.63	.45	
ANNUAL	52.5	12.5	2.4	5.8	4.2	6.9	6.8	6.0	2.8	.2				35.0	13027	7.51			

USAFETAC FORM 0-15-5 (OL A)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

723260 MCGHEE TYSON AIRPORT TN

42-83

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	.98	2.15	1.20	.88	1.10	.96	1.18	.47	.55	.95	3.99	1.97	3.99
49	2.28	.75	1.06	1.25	.76	1.39	1.49	1.00	.90	2.09	.46	1.27	2.09
50	2.92	1.44	1.32	.43	1.77	.90	1.18	.90	.70	.46	.87	1.20	2.92
51	1.31	1.86	2.20	1.51	.32	1.25	.99	.68	.83	1.12	1.54	1.77	2.22
52	1.15	.44	1.20	.33	1.03	.86	.83	1.86	.62	.25	2.27	1.65	2.27
53	.74	1.30	1.30	1.13	1.85	.70	1.22	.55	1.10	.33	.95	1.44	1.85
54	3.77	1.56	1.31	.75	1.18	1.15	2.75	.30	.46	.21	1.63	1.70	3.77
55	.45	1.82	.95	1.00	.83	1.22	1.37	.60	1.01	2.27	.74	1.12	2.27
56	.82	1.93	1.77	1.68	.79	1.77	1.00	.36	.76	.83	1.02	3.06	3.06
57	2.92	1.68	.76	2.32	1.40	1.90	.36	1.20	1.85	1.35	2.13	1.77	2.92
58	.80	.49	1.00	1.10	1.15	.72	1.04	.63	.72	.49	1.27	.96	1.27
59	1.43	1.20	1.67	1.29	.93	.77	.61	3.25	.65	1.07	2.60	1.26	3.25
60	.80	1.27	1.93	.58	.51	.95	1.74	.90	1.23	1.64	.72	1.78	1.93
61	.90	2.10	1.94	.71	1.44	1.24	.84	.92	.28	2.37	1.25	2.46	2.46
62	.97	2.46	.61	2.19	.80	1.70	4.33	.76	2.46	.98	1.18	1.71	4.33
63	.99	1.66	3.25	1.55	1.32	.67	1.58	1.25	.95	TRACE	1.62	.79	3.25
64	1.50	1.14	1.46	1.82	1.21	.51	1.37	2.97	.55	.61	.75	1.13	2.97
65	1.66	.78	2.45	1.64	.93	1.66	1.00	.72	.75	.50	1.39	.29	2.45
66	.91	1.40	1.16	.62	1.23	1.32	1.36	1.30	1.26	2.26	1.68	1.14	2.26
67	.87	1.27	2.92	.91	1.01	2.59	2.24	1.60	1.32	.52	2.26	1.99	2.92
68	1.17	.39	1.17	.77	.82	.75	.55	.51	1.42	1.12	.37	.93	1.42
69	1.51	1.55	1.21	.34	.50	1.82	1.04	3.22	1.90	.47	1.17	4.70	4.70
70	1.15	.59	1.11	2.73	.32	.81	.95	.95	.81	2.10	.36	2.41	2.41
71	1.62	1.98	.76	1.34	1.67	.61	2.18	1.19	1.21	.77	.67	1.23	2.18
72	1.17	.74	1.02	1.04	1.18	2.92	1.28	.75	1.38	1.75	.86	2.01	2.92
73	.86	.87	4.04	1.45	1.96	1.65	.76	1.28	1.17	1.85	2.28	1.50	4.04
74	1.20	1.70	1.36	2.24	3.36	1.34	1.26	.82	.70	1.68	1.50	1.34	3.36
75	1.24	.85	2.43	.95	.81	.47	.88	.70	1.23	1.10	1.58	1.08	2.43
76	1.04	1.33	1.15	.14	1.63	1.67	1.53	1.07	1.10	1.39	2.46	.92	2.46
77	.80	.73	2.05	3.13	.60	1.01	.34	1.43	2.52	1.67	1.21	1.75	3.13
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-883 (OLA)

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

72326C MCGHEE TYSON AIRPORT TN
STATION STATION NAME

42-83

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-9 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

72326C MCGHEE TYSON AIRPORT TN
STATION STATION NAME

42-83

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	3.57	6.38	5.19	2.67	3.28	3.47	5.91	1.71	1.52	1.27	10.36	5.81	51.14
49	6.81	2.86	5.26	4.04	2.57	3.22	5.52	5.27	2.38	6.67	1.51	3.03	48.74
50	9.39	5.72	5.17	1.06	5.42	3.10	7.43	4.37	1.75	1.55	2.48	3.77	50.51
51	5.22	4.80	7.46	5.33	1.29	5.81	4.06	1.30	4.37	2.90	4.96	5.43	52.73
52	4.56	2.11	3.87	1.12	3.32	1.98	2.64	4.57	1.94	.63	5.27	3.99	36.00
53	4.12	6.22	4.22	4.23	4.50	3.02	3.74	.88	2.93	.68	1.65	3.36	39.55
54	11.74	3.14	4.67	2.24	3.55	2.32	3.34	.77	1.30	.64	3.40	5.97	43.08
55	1.63	5.62	5.38	3.70	3.51	3.65	3.97	1.93	2.48	3.20	3.30	2.73	41.10
56	3.18	8.29	4.58	5.07	3.27	2.69	4.54	1.45	1.66	2.59	1.98	8.76	47.36
57	9.58	7.86	2.26	4.56	3.53	5.86	.70	4.07	6.98	3.43	7.45	5.16	61.44
58	2.13	2.81	4.29	5.41	4.78	2.71	5.57	2.83	1.49	.68	3.06	2.19	37.25
59	4.09	4.06	4.12	4.17	3.53	2.78	2.97	4.91	.93	5.20	4.68	4.73	45.27
60	3.39	3.00	4.78	1.83	1.12	4.89	2.36	3.72	4.58	4.34	2.55	3.61	40.17
61	2.55	7.83	7.80	2.50	4.18	4.54	3.49	3.04	.50	3.41	3.04	11.63	54.51
62	6.22	7.96	4.13	3.84	1.88	5.75	7.82	2.08	5.13	2.20	4.60	3.67	54.58
63	4.20	3.54	9.92	3.63	4.51	3.32	4.92	3.64	2.37	TRACE	5.23	2.86	48.14
64	4.71	4.79	5.75	6.98	3.96	.97	3.70	5.75	1.10	2.10	2.80	4.02	45.93
65	3.94	3.25	9.31	4.16	3.13	4.84	3.49	2.18	2.48	1.08	2.50	.45	40.81
66	3.88	4.68	2.72	2.88	2.92	2.27	5.44	4.09	4.41	4.80	5.12	2.66	45.87
67	2.67	4.58	4.08	2.00	4.10	6.53	10.09	4.06	2.70	2.33	5.57	6.95	55.66
68	4.13	.74	4.78	4.12	3.71	3.97	2.57	1.29	2.53	3.40	2.00	3.22	35.76
69	4.11	5.54	2.89	2.41	1.33	7.58	3.51	6.72	3.03	1.56	2.56	7.74	48.98
70	3.04	2.86	3.18	7.20	.74	4.26	3.11	4.89	2.75	5.33	1.40	4.67	43.43
71	5.03	4.93	4.21	3.87	3.78	3.73	8.76	3.05	3.41	1.98	2.21	5.48	50.44
72	7.35	4.19	4.98	2.54	4.49	5.72	6.76	1.61	4.70	5.99	3.36	7.72	58.01
73	3.24	2.59	10.24	5.15	5.71	5.26	4.38	2.31	3.28	3.48	5.71	7.38	58.03
74	7.05	5.24	6.15	5.77	17.98	2.70	2.92	3.14	3.33	2.35	5.18	4.52	59.33
75	4.66	4.68	10.42	2.43	2.98	2.43	2.25	1.61	3.28	4.72	2.92	3.59	45.27
76	3.86	2.18	5.22	.39	5.53	3.46	3.75	1.98	2.87	5.33	3.45	4.42	42.44
77	2.55	1.52	6.08	6.96	1.16	6.49	1.08	5.78	6.91	4.04	5.06	3.30	50.93
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 EXTREME VALUES
 MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

723262
STATION

MC GHEE TYSON AIRPORT IN
STATION NAME

42-83

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

723260 MCGHEE TYSON AIRPORT TN

48-83

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	77.5	14.4	2.8	2.1	1.0	1.3	.2	.4	.4					8.1	1116	4.4	15.1	.0
FEB	81.8	12.0	1.2	1.6	.7	1.5	.5	.6	.1		.1			6.2	1017	4.3	23.3	.0
MAR	87.9	8.2	1.4	1.1	.6	.4		.2	.2					3.9	1116	1.8	20.2	.0
APR	98.2	1.5			.1		.2							.3	1080	.3	7.0	.0
MAY	100.0														1116	.0	.0	.0
JUN	100.0														1080	.0	.0	.0
JUL	100.0														1116	.0	.0	.0
AUG	100.0														1116	.0	.0	.0
SEP	100.0														1050	.0	.0	.0
OCT	99.9	.1													1085	TRACE	TRACE	.0
NOV	91.2	7.7	.3	.4	.1			.2			.1			1.0	1050	.9	18.2	.0
DEC	84.1	12.5	.7	1.1	.6	.4	.3	.1	.2					3.3	1085	1.9	13.2	TRACE
ANNUAL	93.4	4.7	.5	.5	.3	.3	.1	.1	.1		.0			1.9	13027	13.6		

USAFETAC FORM 0-15-5 (OL A)
OCT 75

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

723267
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

42-83

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	3.5	2.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.5
49	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
50	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	5.5	1.1	5.5
51	TRACE	1.8	.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.8
52	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	16.0	TRACE	16.0
53	1.3	6.9	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.9
54	2.1	4.9	2.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.9
55	2.8	2.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.8
56	3.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.5	.4	3.0
57	TRACE	.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	3.1
58	.3	6.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0	6.4
59	2.5	TRACE	.3	.0	.0	.0	.0	.0	.0	.0	.6	3.7	3.7
60	8.5	17.5	8.7	TRACE	.0	.0	.0	.0	.0	.0	.0	1.5	17.5
61	2.5	2.5	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.4	2.5
62	9.4	TRACE	1.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.0	9.4
63	3.2	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	4.9	6.7	6.7
64	6.0	5.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.0
65	6.2	5.7	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.2
66	9.9	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	3.1	9.9
67	2.2	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3
68	3.3	3.4	1.0	.0	.0	.0	.0	.0	.0	.0	.3	TRACE	3.4
69	.4	4.2	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	7.0	7.0
70	3.1	2.6	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.2	6.2
71	.9	4.4	1.7	3.5	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.4
72	.4	3.5	6.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.7
73	7.3	TRACE	1.5	TRACE	.0	.0	.0	.0	.0	.0	.0	1.5	7.3
74	TRACE	TRACE	1.8	.0	.0	.0	.0	.0	.0	.0	TRACE	1.3	1.8
75	1.2	TRACE	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.5
76	.2	2.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	2.0
77	4.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	4.6
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-3 (OEA)

EXTREME VALUES

SNO-FALL

FROM DAILY OBSERVATIONS

723260 MCGHEE TYSON AIRPORT IN
STATION STATION NAME

48-33

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-9 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

723243 MCGHEE TYSON AIRPORT TN

42-83

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	9.1	2.8	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	TRACE	11.9
49	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
50	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	5.5	2.4	7.9
51	TRACE	1.8	1.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0
52	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	18.2	TRACE	18.2
53	2.0	8.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.1
54	2.1	4.9	2.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	9.7
55	3.4	2.8	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.2
56	7.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.6	.4	8.0
57	TRACE	.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	3.7
58	.3	10.3	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.3	14.9
59	2.5	TRACE	.3	.0	.0	.0	.0	.0	.0	.0	.6	3.7	7.1
60	8.9	23.3	20.2	TRACE	.0	.0	.0	.0	.0	.0	.0	2.0	54.4
61	5.4	3.4	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.5	13.4
62	15.1	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.9	23.9
63	4.2	7.2	TRACE	.0	.0	.0	.0	.0	.0	.0	5.9	13.2	30.5
64	8.5	5.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	13.7
65	6.3	6.9	4.4	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	17.6
66	14.2	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	3.1	17.8
67	2.2	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	7.9
68	5.9	4.7	1.9	.0	.0	.0	.0	.0	.0	.0	.3	TRACE	12.8
69	.5	7.7	5.2	.0	.0	.0	.0	.0	.0	.0	TRACE	8.9	22.3
70	12.9	4.6	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.3	23.8
71	1.3	6.4	3.6	7.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	18.3
72	.4	4.2	6.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	11.3
73	9.0	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	2.0	12.9
74	TRACE	TRACE	1.8	.0	.0	.0	.0	.0	.0	.0	TRACE	1.6	3.4
75	1.3	TRACE	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.8
76	.3	2.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.1	6.2
77	7.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	8.8
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OEA)

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

49-83

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-9 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

723260 MCGHEE TYSON AIRPORT TN

52-87

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	79.6	9.9	5.8	1.8	1.4	.8	.7							10.5	961			
FEB	84.0	8.0	2.9	1.7	1.8	1.3	.2	.1						8.0	875			
MAR	94.2	3.5	.9	.5	.1	.7								2.3	961			
APR	99.9			.1										.1	930			
MAY	100.0														961			
JUN	100.0														930			
JUL	100.0														992			
AUG	100.0														992			
SEP	100.0														930			
OCT	100.0														961			
NOV	98.3	1.2	.1	.1	.1	.1	.1							.5	930			
DEC	92.2	4.6	1.1	1.0	.5	.5								3.2	961			
ANNUAL	95.7	2.3	.9	.4	.3	.3	.1	.0						2.0	11384			

USAFETAC FORM 8-15-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNC# DEPTH

FROM DAILY OBSERVATIONS

72326- MCGHEE TYSON AIRPORT TN

52-83

YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52												10		
53		1	3	0	0	0	0	0	0	0	0	0	TRACE	3
54		TRACE	TRACE	6	0	0	0	0	0	0	0	0	TRACE	6
55		1	2	0	0	0	0	0	0	0	0	0	0	2
56		4	0	0	0	0	0	0	0	0	0	TRACE	TRACE	4
57		TRACE	0	TRACE	0	0	0	0	0	0	0	0	1	1
58		TRACE	3	TRACE	0	0	0	0	0	0	0	0	3	3
59		2	0	TRACE	0	0	0	0	0	0	0	TRACE	1	2
60		4	15	6	0	0	0	0	0	0	0	0	2	15
61		1	1	TRACE	0	0	0	0	0	0	0	0	2	2
62		9	0	1	0	0	0	0	0	0	0	0	2	9
63		3	3	0	0	0	0	0	0	0	0	1	0	6
64		9	2	TRACE	0	0	0	0	0	0	0	0	0	9
65		4	5	1	0	0	0	0	0	0	0	0	0	5
66		17	6	TRACE	0	0	0	0	0	0	0	TRACE	3	10
67		1	3	0	0	0	0	0	0	0	0	0	TRACE	3
68		2	2	2	0	0	0	0	0	0	0	TRACE	TRACE	2
69		TRACE	4	TRACE	0	0	0	0	0	0	0	TRACE	5	5
70		3	1	TRACE	0	0	0	0	0	0	0	0	TRACE	3
71		3	4	1	2	0	0	0	0	0	0	0	0	4
72		TRACE	TRACE	1	0	0	0	0	0	0	0	0	0	1
73		7	TRACE	0	0	0	0	0	0	0	0	0	1	7
74		0	0	TRACE	0	0	0	0	0	0	0	TRACE	1	1
75		TRACE	TRACE	TRACE	0	0	0	0	0	0	0	0	2	TRACE
76		TRACE	3	0	0	0	0	0	0	0	0	TRACE	TRACE	3
77		3	0	0	0	0	0	0	0	0	0	TRACE	TRACE	3
78		4	1	1	0	0	0	0	0	0	0	0	0	4
79		3	6	TRACE	0	0	0	0	0	0	0	0	0	6
80		TRACE	4	4	0	0	0	0	0	0	0	0	0	4
81		TRACE	1	0	0	0	0	0	0	0	0	0	TRACE	1
MEAN														
S D														
TOTAL OBS														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

EXTREME VALUES

SNO. DEPTH

FROM DAILY OBSERVATIONS

723265 MCGHEE TYSON AIRPORT IN
STATION STATION NAME

52-33

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 9-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

EXTREME VALUES

SURFACE WINDS

FORM DAILY OBSERVATIONS

723262	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

72-83

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC PERM 0-88-3 (OLA)

\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

1. DATE OF OBSERVATION
2. TIME
3. WEATHER SERVICE NAME

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROGEE TOWN AIRPORT IN STATION NAME ALL FATHOM YEARS 1951 MONTH 1

CLASS ALL FATHOM HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2	5.4	4.4	2	1							1.0	4.4
NNE	4	4.1	2.5	1								1.1	4.1
NE	1.3	5.4	4.2	7								1.3	4.2
ENE	2	2.9	1.2	1								1.2	2.9
E	2	1.2	2									1.2	2.0
ESE	2	1.1	4									1.1	2.0
SE	2	1										1.0	2.0
SSE	4	2										1.0	2.0
S	6	2	3	3								1.3	2.0
SSW	5	2.7	8	4								1.0	2.0
SW	8	2.2	3.5	2.2								1.0	2.0
WSW	2	4.5	3.1	1.7	1	2						1.2	2.0
W	4	3.1	6.0	2.3	4	1						1.2	2.0
WNW	2	5	1.7	1.7	1							1.0	2.0
NW	4	1.1	6	3								1.0	2.0
NNW	4	1.1	4	1								1.2	2.0
VARBL													
CALM												1.0	
	8.1	32.5	29.5	6.0	8	3						1.0	

TOTAL NUMBER OF OBSERVATIONS 10

JOINT CLIMATE CENTER
 AFMPC/AFMPC
 WEATHER SERVICE/AFMPC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCNEE TYSON AIRPORT TN YEARS 74-83 MONTH ALL
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.5	4.2	3.2	.5								1.7	2.5
NNE	.3	4.7	3.0	.2								1.0	3.5
NE	.9	6.6	3.4	.4								1.1	3.5
ENE	.4	3.3	1.5	.1								.5	2.4
E	.2	1.4	.1	.2								.1	1.4
ESE	.2	.5	.1									.1	1.4
SE	.2	1.3	.2									.1	1.4
SSE	.3	.4	.1									.2	1.4
S	.2	1.1	.3	.2	.1	.1						.2	1.4
SSW	.5	2.3	1.0	.5	.1							.4	1.4
SW	.5	2.7	3.5	1.5	.3							.8	1.4
WSW	.7	3.3	2.5	1.1	.2	.1						.7	1.4
W	.2	2.7	3.0	2.8	.3	.2						1.1	1.4
WNW	.2	1.5	2.2	1.1	.2							.5	1.4
NW	.4	1.2	.9	.3								.3	1.4
NNW	.4	1.4	.4	.2								.3	1.4
VARBL													
CALM												14.0	
	0.0	30.4	27.2	9.1	1.3	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1070

3
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
517 WEATHER SERVIC /MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION MOGHEE INSON AIRPORT IN YEARS 1961 DATE 1961
STATION NAME CLASS HOURS (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	5.4	3.1	.3								4.8	3.9
NNE	.4	4.2	2.9	.4								3.7	4.2
NE	1.7	5.1	3.0	.3								12.8	3.0
ENE	.5	4.3	1.2	.3								5.5	3.6
E	1.0	1.7	.4									3.1	4.6
ESE	.5	.5	.2									1.3	4.3
SE	.3	.3	.2									.7	3.4
SSE	.1	.4										.5	4.4
S	.3	.4		.1	.3							1.2	2.9
SSW	.3	.9	.4	.3								1.7	7.1
SW	.6	3.2	3.7	2.2	.4							10.1	3.2
WSW	.4	3.5	4.1	1.6	.1		.1					2.9	7.9
W	.3	3.3	4.3	1.8	.8	.7	.1					10.9	9.1
WNW	.2	.5	1.6	1.4								3.8	5.5
NW	.1	1.3	1.4	.5								3.3	7.5
NNW	.7	1.5	.9	.3								2.9	6.4
VARBL													
CALM												13.2	
	7.2	43.4	27.4	9.7	1.6	.7	.2					100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 932

FEDERAL BUREAU OF SURVEY
 NATIONAL BUREAU OF STANDARDS
 NATIONAL WEATHER SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGHEE TYSON AIRPORT TX YEAR 74-5 DATE 8-2-74
 ALL WEATHER CLASS ALL
 CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.1	2.6	.6								6.7	6.4
NNE	.5	3.6	3.8	.8								6.7	6.7
NE	1.1	7.0	5.4	1.5								14.4	6.4
ENE	.3	4.4	2.3	.8								7.7	6.3
E	.5	1.3	.7	.1								2.6	6.3
ESE	.3	.6										1.0	5.4
SE		.4	.1									.7	5.4
SSE	.2	.3	.1									.6	5.4
S	.1	1.2	.3	.7	.8							2.4	5.4
SSW	.2	1.5	1.1	.6								3.1	7.8
SW	.3	2.5	1.8	3.2	.5	.4						8.6	15.4
WSW	1.0	2.5	3.9	3.1	1.1	.2						11.7	9.8
W	.5	2.9	4.1	2.0	.5	.2	.1					1.4	5.3
WNW	.2	1.6	.8	1.4	.1							.4	6.4
NW	.5	1.7	1.6	.3								4.2	6.4
NNW	.5	1.0	.5	.4								2.5	6.4
VARBL													
CALM												1.5	
	6.9	35.9	26.5	14.5	2.7	.9	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 92

1
NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGRUE TISON AIRPORT IN YEARS 74-81 MONTH JAN
STATION NAME ALL WEATHER CLASS 1000-3000
CORRECTION NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.0	3.2	.2								6.2	6.0
NNE	.1	2.2	1.9	.6								3.1	7.0
NE	.4	4.2	4.1	.6								7.4	7.0
ENE	.2	1.7	1.2	.7								4.0	6.7
E	.4	1.0	.5									2.0	5.7
ESE	.5	1.0										1.0	4.0
SE	.1	.4										.1	4.4
SSE	.7	.3	.1									.0	4.1
S	.5	1.6	.2	.7	.8							3.4	3.5
SSW	.4	1.3	.8	.8	.3							3.5	3.4
SW	.9	2.0	2.5	3.0	1.8	.7						1.0	10.0
WSW	.9	2.9	4.9	3.8	1.6	.5						14.2	10.5
W	.3	3.5	4.7	3.9	1.0	.7						13.9	9.5
WNW	.0	1.7	2.2	1.7	.1							6.5	8.5
NW	1.0	1.6	1.4	.4								4.4	6.1
NNW	.5	1.8	1.4	.1								3.2	5.9
VARBL													
CALM												9.9	
	2.3	22.3	28.1	15.8	5.6	1.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 130

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCQUEE-TYSON AIRPORT TA STATION NAME TA YEARS 1967 DATE 10-17-77

ALL WEATHER CLASS 10-17-77 HOUR (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0
NNE	0.3	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0
NE	0.6	4.0	3.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0
ENE	0.7	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
E	0.2	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
ESE	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.2	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
SSE	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.1	1.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.2	0.4	1.5	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.3	3.3	5.2	2.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	12.7	0.0
WSW	0.5	2.4	4.8	5.3	1.3	0.1	0.0	0.0	0.0	0.0	0.0	14.4	10.0
W	0.4	3.0	5.5	3.3	1.0	0.1	0.0	0.0	0.0	0.0	0.0	14.1	0.0
WNW	0.6	2.4	2.0	2.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
NW	0.5	2.5	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0
NNW	0.3	1.7	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
VARBL													
CALM												6.3	
	5.7	33.0	30.8	18.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 31

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCEE TYSON AIRPORT TN YEARS 74-83 JAN 1983-01-01
STATION NAME MCCEE TYSON AIRPORT TN MONTH JAN
CLASS ALL WEATHER HOURS (L.E.T.) 1983-01-01
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	5.2	3.9	.4								1.1	6.4
NNE	.6	3.1	2.6	.1								5.5	6.1
NE	.4	4.6	2.8	.5								5.4	6.3
ENE	.3	3.2	1.2	.3								5.1	5.3
E	1.0	1.4										2.4	4.1
ESE	.4	.4	.2									1.1	4.8
SE	.3	.5	.1		.1							1.1	5.8
SSE		.4										.4	5.3
S	.3	2.7	.5	.5								7.4	6.8
SSW	.3	2.9	1.2	.1								4.5	6.3
SW	.6	4.0	1.3	1.8	.5	.1						1.4	5.2
WSW	.6	4.8	3.7	1.4	.8	.1						11.3	7.7
W	.3	3.4	6.7	3.4	.2	.1						19.2	9.7
WNW		2.6	2.2	1.6	.1							6.5	5.2
NW	.2	1.7	1.3	.2								3.4	6.6
NNW	.2	1.7	.8									2.7	5.5
VARBL													
CALM												8.5	
	6.5	32.2	30.3	10.5	1.7	.3						10.7	6.9

TOTAL NUMBER OF OBSERVATIONS 232

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72260 MCGRUE TYSON AIRPORT TX 74-83 1974
STATION NAME YEARS MONTH
CLASS ALL WEATHER
HOURS (L.S.T.) 24
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.3	2.6	.6								7.8	6.3
NNE	.4	5.3	2.7	.4								5.3	6.2
NE	.9	6.3	3.9	.2								11.3	6.1
ENE	.9	3.8	.9									.5	4.0
E	.5	.6	.1	.1								1.3	4.7
ESE	.4	.4	.1									.1	4.8
SE	.5	.8	.1									1.3	4.3
SSE	.2	.2	.2	.1	.1							.5	7.8
S	.7	1.0	.4	.3								1.9	7.1
SSW	.5	2.3	1.5	.2								4.5	5.8
SW	.2	4.1	2.5	.9	.1							7.7	7.2
WSW	.5	3.8	4.1	1.6	.4	.3	.1					11.9	6.7
W	.5	4.1	4.7	2.4	.8							13.6	6.4
WNW	.1	1.8	1.6	1.4	.2							5.2	6.6
NW	.1	.9	1.5	.4								2.9	7.5
NNW	.1	1.3	.9	.2								2.5	6.4
VARBL													
CALM												13.2	
	7.4	19.0	28.5	8.0	1.6	.3	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 10228 McGhee Tyson Airport IN 74-83 JA
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
811
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	4.4	1.0	.5	.7							5.7	6.3
NNE	.7	3.8	2.8	.3								1.4	6.4
NE	.2	5.8	3.0	.5								10.7	6.2
ENE	.5	3.5	1.3	.3								1.6	5.7
E	.0	1.7	.2	.0								2.1	4.3
ESE	.3	.7	.1	.0	.0							1.2	4.7
SE	.2	.6	.1		.0							1.0	4.0
SSE	.2	.3	.1	.0	.0							.7	3.0
S	.1	1.2	.4	.3	.2	.1						2.1	7.6
SSW	.4	1.9	1.0	.5	.1	.1						3.7	7.1
SW	.6	3.0	3.3	2.2	.6	.1						9.7	8.9
WSW	.5	3.5	3.0	2.9	.7	.2	.1					11.2	9.0
W	.4	3.4	5.1	2.7	.6	.1	.1					12.5	9.1
WNW	.3	1.6	1.8	1.5	.1							5.4	8.6
NW	.4	1.6	1.3	.4								3.7	6.7
NNW	.2	1.9	.7	.2								2.7	6.0
VARBL													
CALM												11.2	
	7.2	37.8	28.8	12.0	2.4	.5	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 7880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MC GHEE TYSON AIRPORT TX STATION NAME 74-67 YEARS 1971-1972 MONTH (L.S.T.) 01-12

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	4.7	4.4	.7								10.3	6.7
NNE	.6	5.7	2.7	.5	.1							8.9	6.4
NE	1.2	5.6	5.0	.7								12.4	6.4
ENE	.6	2.4	.9	.2								4.1	5.5
E	.6	1.5	.2									2.4	4.6
ESE	.4	.5	.1									.3	4.4
SE	.4	.8	.1									1.3	4.5
SSE		.2	.1									.4	4.5
S	.4	.3	.1	.6	.4							.2	3.3
SSW	.7	1.5	.5	.5	.1							3.3	5.3
SW	.4	2.8	2.1	1.9	.8							8.4	5.1
WSW	.5	4.3	3.0	2.6	.4							10.4	5.7
W	.4	2.4	3.5	1.5	.1							7.4	5.1
WNW	.2	1.4	1.7	.9								4.3	7.9
NW	.2	2.2	1.1	.8								7.2	6.6
NNW	.4	2.0	.7	.1								2.2	5.7
VARBL													
CALM												15.8	
	7.2	38.9	25.5	1.6	1.8							170.0	6.7

TOTAL NUMBER OF OBSERVATIONS 170

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MCCHES TOWN AIRPORT TN YEARS 74-82 MONTHS FULL

CLASS ALL WEATHER

CONDITION

NOVEMBER (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.1	3.6	.9								2.4	1.3
NNE	.3	5.8	2.2	.4	.1							1.1	1.1
NE	.4	7.6	5.7	.8								13.2	1.6
ENE	.2	3.8	.7	.6								5.2	1.2
E	.5	1.4			.1							2.1	1.1
ESE		.7	.1									.2	1.1
SE	.4	.4		.2								.7	1.1
SSE	.5	.5		.1								1.1	1.1
S	.5	1.1	.4	.2								.1	1.1
SSW	.1	.4	.5	.2								1.2	1.1
SW	.1	2.2	1.4	2.3	.8	.1						6.2	1.4
WSW	.1	2.2	2.7	1.4	.4							7.2	1.4
W	.2	2.8	4.6	1.2								1.9	1.4
WNW	.5	2.1	1.7	.9	.1							5.3	1.5
NW	.1	2.7	1.3	.1								3.2	1.5
NNW	.2	1.5	.4	.2								2.4	1.5
VARBL													
CALM												17.0	
	1.2	38.7	26.2	7.7	1.5	.1							5.5

TOTAL NUMBER OF OBSERVATIONS 1200

CLIMATE CLIMATOLOGY DATA
 AFSTAC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROGHEE TAYSON AIRPORT IN YEARS 74-80 MONTHS 12
 STATION NAME ALL WEATHER CLASS 1
 CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.2	1.1	2.8	.7								5.8	1.2
NNE	1.2	4.3	3.5	.1								5.7	1.2
NE	.9	7.9	5.2	.6	.1							14.7	4.6
ENE	.6	4.5	.9	.4								5.4	5.6
E	.7	1.1	.1									1.4	4.7
ESE	.4	.4	.1									.5	4.4
SE	.1	.6	.1									.2	6.5
SSE	.1	.4	.4	.2								1.2	4.5
S	.6	.5	.4	.4								1.4	6.3
SSW	.1	.4	.7	.5	.1							2.2	7.7
SW	.3	1.9	1.4	1.3	.5							5.4	8.4
WSW	.2	2.7	3.4	.6	.8	.1						7.1	9.1
W	.4	2.4	5.1	.9	.1							8.9	10.1
WNW		1.3	1.2	.6	.5							3.5	5.4
NW	.7	2.4	1.8	.1								5.3	5.8
NNW	.3	1.4	.6									2.8	5.1
VARBL													
CALM												17.3	
	0.1	37.2	27.8	4.4	2.1	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 646

7
 NATIONAL CLIMATOLOGY STATION
 USAFETAC
 WEATHER SERVICE / MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MOORE TOWN AIRPORT IN YEARS 70-87 NORTH 200
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 24
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.4	3.5	.7								7.2	6.7
NNE	.5	3.4	3.4	1.7								8.1	7.2
NE	1.1	5.4	7.7	1.8								10.2	7.2
ENE	.3	5.1	3.7	.7								10.2	6.4
E	.5	1.2	.1	.2								2.1	4.8
ESE	.5	.7										1.2	4.1
SE	.2	.4		.1								1.7	4.4
SSE		.4	.4	.1								.4	7.1
S	.4	.5	.4	.2	.2							1.2	5.1
SSW		1.3	1.1	.6								3.2	6.1
SW	.4	1.2	1.0	2.1	1.2							7.7	10.8
WSW	.4	1.4	3.3	2.4	.7	.1	.1					8.9	10.3
W	.4	2.2	3.7	2.2	.7							7.5	9.1
WNW	.4	.9	2.1	.7								4.1	7.5
NW	.7	1.4	1.1	.1								2.8	6.7
NNW	.4	1.3	.7	.6								3.2	6.7
VARBL													
CALM												10.3	
	7.5	30.9	31.2	14.8	3.0	.1	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 200

UNITED STATES AIR FORCE
 AFMTC
 AND WEATHER SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROCHEL TYSON AIRPORT TN YEARS 7-13 MONTHS ALL MONTHS
 STATION NAME ALL MONTHS CLASS ALL MONTHS HOURS (L.S.T.) ALL MONTHS
 CONDITION ALL MONTHS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 CLIMATE BRANCH
 WASHINGTON, D.C. 20330

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGRATH TOWN AIRPORT IN YEARS 1963
 STATION NAME ALL WEATHER CLASS 1
 CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	2.4	.7									
NNE	1.1	2.1	2.5	.8									
NE	.6	2.7	2.7	1.5	.1								
ENE	.8	2.0	2.1	.5									
E	.4	2.3	.1	.7									
ESE	.7	.5											
SE	.1	.8	.1		.1								
SSE	.2	.5	.1	.2									
S	.1	1.4	.5	.4	.4								
SSW		.4	1.2	1.1	.9								
SW	.6	2.3	2.5	3.4	2.2	.2							
WSW	.2	3.2	3.4	5.1	2.1	.1							
W	.2	3.3	3.9	5.7	1.8	.1							
WNW	.1	1.8	2.6	1.5	.2	.2							
NW	.9	2.5	1.5	.8									
NNW	.7	1.2	.5	.5									
VARBL													
CALM													
	6.7	31.3	27.4	21.2	7.6	.7						100.0	

TOTAL NUMBER OF OBSERVATIONS 44

U.S. AIR FORCE CLIMATE DIVISION
 WASHINGTON, D.C. 20330
 AFM 3-10.1 (1-64) (1-64)

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHEELS TACON AIRPORT IN YEARS 7 MONTH 1

ALL WEATHER
 CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.5	4.6	.5								.2	1.0
NNE	.2	2.0	2.2	1.2								.2	1.0
NE	.2	5.7	7.0	.6								.2	1.0
ENE	.7	4.3	1.0	.6								.7	1.0
E	.2	2.4	.4									.2	1.0
ESE	.1	1.2										.1	1.0
SE	.1	.4	.1	.4								.1	1.0
SSE	.2	.4	.1		.1							.2	1.0
S	.4	1.0	.2	.5								.4	1.0
SSW	.4	2.7	1.2	.4								.4	1.0
SW	.3	4.5	2.0	2.1	.1							.3	1.0
WSW	.1	3.0	3.8	2.6	.2	.1						.1	1.0
W	.4	3.1	3.7	3.8	.5	.1						.4	1.0
WNW	.2	1.2	1.8	1.3	.2							.2	1.0
NW	.4	1.5	1.8	.6								.4	1.0
NNW	.1	1.2	.9	.1								.1	1.0
VARBL													
CALM												.9	
	4.7	40.5	28.3	14.3	2.2	.2						100.0	

TOTAL NUMBER OF OBSERVATIONS 144

U.S. AIR FORCE
METEOROLOGICAL SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION POURCE TOWN AIRPORT TN YEARS 74-77 MONTH ALL

STATION NAME POURCE TOWN AIRPORT TN CLASS ALL WEATHER

CONDITION

MOUSE (L.S.T.) 100-2-00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.9	3.9	.5								.9	4.7
NNE	.5	4.4	4.4	.5								.3	4.7
NE	.7	5.1	3.9	1.2	.2							1.1	4.7
ENE	.5	4.7	1.2	.5								.5	4.7
E	.5	1.2	.1									.1	4.5
ESE	.5	.5	.1	.1								.2	4.5
SE	.5	.5	.1		.1							.2	4.3
SSE		.2		.1	.1	.1						.1	4.3
S	.5	1.2	.7	.4								.2	7.5
SSW	.1	.2	.9	.7	.1							.2	7.5
SW	.7	4.6	3.7	1.8		.1						1.1	7.5
WSW	.7	4.1	3.3	1.9	.2							1.0	7.4
W	.5	3.5	3.2	2.6	.4							1.2	7.4
WNW	.5	1.3	1.4	.5								.3	7.9
NW	.5	2.2	1.2	.5								.4	7.7
NNW	.5	.7	1.1									.2	7.7
VARBL													
CALM												11.1	
	7.7	39.1	29.4	11.2	1.2	.2						11.1	4.7

TOTAL NUMBER OF OBSERVATIONS 43

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE /MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGRUE TYSON AIRPORT IL YEARS 71-80 MONTHS ALL
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.9	3.4	.6								8.5	6.0
NNE	.6	3.9	3.2	.8	.7							3.5	6.3
NE	.7	5.6	4.5	1.7	.1							11.9	6.5
ENE	.7	3.6	1.6	.5								6.4	6.1
E	.5	1.6	.2	.5	.7							2.5	4.3
ESE	.7	.6	.1	.7								1.0	4.6
SE	.7	.5	.1	.1	.1							1.0	5.3
SSE	.1	.4	.2	.1	.7	.7						.8	7.2
S	.4	1.7	.4	.4	.1							3.3	7.5
SSW	.2	1.1	.7	.6	.2	.6						3.0	8.2
SW	.6	2.6	2.2	2.5	.9	.1						8.9	9.7
WSW	.4	3.7	3.3	2.8	.9	.1	.1					10.5	9.6
W	.4	2.8	3.3	2.6	.6	.7						10.3	9.1
WNW	.2	1.4	2.7	.9	.1	.7						4.7	8.5
NW	.4	2.1	1.4	.4								4.3	6.5
NNW	.4	1.4	.3	.2								2.7	6.1
VARBL													
CALM												12.0	
	6.8	35.6	28.7	17.5	3.0	.4	.7					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 6763

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MC GHEE TYSON AIRPORT IN YEARS 74-87 CLASS ALL WEATHER MONTH NOV 88 (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.5	2.5	.7								.7	1.5
NNE	.1	3.2	2.0	.6								.2	2.2
NE	1.2	5.7	3.0	.6								.7	2.2
ENE	.3	4.2	1.4	.5								.7	1.6
E	.2	1.1	.7	.2								.5	1.5
ESE	.7	.5										.3	1.1
SE	.4	.3	.4	.1								.1	1.1
SSE	.1	.5	.5	.1		.1						.4	1.4
S	.3	1.2	.5	.9	.3							.2	1.1
SSW	.4	.2	1.2	.6	.3							.5	1.1
SW	.2	4.4	3.9	1.6	.2							1.3	2.7
WSW	1.1	3.3	3.5	1.7								1.4	2.2
W	.8	3.5	3.4	.9	.1							.7	2.1
WNW	.2	.2	2.2	.2								.4	1.1
NW	.2	1.7	.8	.3								.5	1.4
NNW	.2	1.5	.5	.2								.5	1.4
VARBL													
CALM												5.4	
	7.1	42.2	7.7	3.9	.9	.1						2.2	5.3

TOTAL NUMBER OF OBSERVATIONS 22

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCLURE TYSON AIRPORT TN STATION NAME 71-83 YEARS 1960-1969 MONTHS ALL MONTHS
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.5	2.9	.5								2.1	6.3
NNE	.2	3.3	2.3	.6								1.5	6.3
NE	1.6	7.3	3.1	1.2								1.4	6.3
ENE	1.1	3.4	1.1									1.4	6.3
E	.2	1.2	.5	.2								1.7	5.6
ESE	.1	.4	.2									.1	5.4
SE	.4	.6	.2	.1								1.1	5.4
SSE		.2	.3									.1	6.2
S	.5	1.3	.6	.5								1.7	6.3
SSW	.1	.2	.5	.5	.3							3.3	7.8
SW	.5	2.7	3.2	3.7	.6	.2						6.8	6.9
WSW	.6	4.4	3.4	1.4	.1							10.2	7.2
W	.4	2.3	4.7	1.1	.2							10.7	6.7
WNW	.5	1.3	.4	.3	.2							2.9	7.7
NW	.3	2.4	.8	.3								3.8	6.3
NNW	.5	1.4	.5									2.4	6.9
VARBL													
CALM												17.5	
	9.7	37.9	24.0	9.6	1.5	.2						108.0	6.7

TOTAL NUMBER OF OBSERVATIONS 630

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

720257 MC GHEE TOWN AIRPORT TN 74-83
STATION MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.8	3.6	.3								9.7	4.2
NNE	.9	4.4	2.2	.4								7.8	4.2
NE	1.5	7.0	4.2	1.6								14.4	6.6
ENE	.4	4.2	1.4	.2								5.2	5.6
E	.5	1.2	.1									1.8	4.2
ESE	.4	.6	.1									1.2	4.1
SE	.3	.5	.2	.1								1.4	4.6
SSE		.5	.4	.2								1.2	7.2
S		.4	.3	.9								1.4	10.2
SSW	.2	1.1	.5	1.1	.3							3.2	4.4
SW	.4	1.7	2.3	1.8	.8	.3						7.3	10.1
WSW	.4	3.1	4.3	1.2	.2							5.3	7.8
W	.1	2.4	4.2	1.2	.2	.2						5.5	6.7
WNW	.6	1.5	.2	.5	.2							3.1	7.2
NW	.5	1.8	1.2	.2	.1							3.9	6.4
NNW	.3	1.8	.3									2.5	4.7
VARBL													
CALM												17.1	
	7.8	37.5	25.5	9.8	1.8	.5						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 529

JOINT CLIMATE SERVICE BRANCH
 AFMPC
 ALL WEATHER SERVICE ZMAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME MOBILE TYSOON AIRPORT IN YEARS 1964 MONTHS 12

ALL WEATHER CLASS ALL HOURS (L.S.T.) 0000-2400

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.4	2.6	1.0								6.6	7.0
NNE	.2	2.0	4.1	.5								6.8	7.0
NE	.7	5.2	1.3	2.6								10.4	7.0
ENE	.2	4.4	1.7	.5								7.0	6.0
E	.6	2.2	.3									1.3	4.0
ESE	.0	.7	.3	.1								1.0	3.0
SE	.2	.4	.1									1.0	4.0
SSE	.5	.1	.3	.5								1.0	7.0
S	.4	.6	.9	.6	.1							2.7	3.0
SSW	.1	.0	1.4	.0	.1							2.0	2.0
SW	.7	1.3	3.7	3.8	1.3							10.0	11.0
WSW	.3	2.7	3.7	4.0	1.0	.1						11.7	11.0
W	.6	1.9	2.7	2.3	.4							2.0	9.0
WNW	.4	.0	1.5	1.1	.3							4.0	3.0
NW	.6	1.3	1.1	.2								3.2	3.0
NNW	.3	1.9	1.4	.2								3.2	6.0
VARBL													
CALM												10.4	
	6.2	20.2	32.0	18.5	3.0	.1	.3					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 126

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MCCLURE TOWN AIRPORT IN YEARS 74-87 MONTH ALL MONTHS
STATION NAME ALL MONTHS CLASS ALL MONTHS
CONDITION ALL MONTHS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.9	1.9	.6								.3	6.6
NNE	.1	2.0	2.0	1.7								.3	6.6
NE	.7	3.9	3.7	1.2	.2							.7	7.4
ENE	.5	1.7	1.6	.3	.2							.7	7.4
E	.7	1.5	.6	.1								.7	5.6
ESE	.7	.7	.2	.1								.9	5.9
SE	.1	1.8	.3	.2	.1							.7	6.6
SSE	.1	.4		.4	.1							.7	6.6
S	.5	1.8	.5	.9	.9							.5	6.7
SSW		1.8	1.8	1.8	.3							.9	1.5
SW	.7	1.1	3.7	6.8	2.3	.3						1.3	12.4
WSW	.1	2.3	3.2	5.5	1.5	.3						1.3	11.8
W	.5	2.0	4.7	3.7	.6	.3						1.3	11.2
WNW	.3	1.5	1.7	1.9	.5	.1						.1	1.5
NW	.9	2.3	1.7	.8								.6	6.2
NNW	.1	1.5	1.7	.5								.1	2.3
VARB													
CALM												5.9	
	8.9	26.9	28.3	26.1	6.3	1.5						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 93

ALPHAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MC GHEE TYSON AIRPORT IN 74-83 YEARS NA
 STATION NAME ALL WEATHER 1977-1978
 CLASS MOON (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.3	3.7	.5								6.7	7.2
NNE	.1	2.2	1.3	.4								4.2	7.2
NE	.5	2.8	3.3	.8								7.4	7.1
ENE	.1	1.2	1.4	.2	.5							3.4	6.6
E	.2	.8	.2	.1								1.3	5.1
ESE	.1	.3	.3									.7	6.7
SE	.1	.4	.4	.4								1.3	6.8
SSE	.3	.4	.2	.3	.1							1.4	6.8
S	.3	.5	1.4	1.8	.2							4.5	6.5
SSW	.7	1.2	1.8	1.6	.5							5.5	6.9
SW	.2	1.5	3.8	4.9	1.6	.2	.1					12.4	11.6
WSW	.6	1.9	5.4	6.3	1.6	.1						13.1	11.1
W	.5	3.8	5.3	4.3	.5	.2						14.6	8.3
WNW	.1	1.6	2.2	2.2	.5	.1						6.6	10.2
NW	.3	1.9	1.8	1.5	.1							5.7	6.1
NNW	.2	1.9	1.3	.3								3.8	6.7
VARBL													
CALM												4.3	
	4.4	24.8	23.8	25.8	5.8	.6	.1					136.7	6.8

TOTAL NUMBER OF OBSERVATIONS 63

U.S. AIR CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE /MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10026 MCQUEE TISON AIRPORT IN STATION NAME 74-80 YEARS 1974 MONTH 10
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.2	1.7	.5								2.4	2.4
NNE	.2	1.7	3.2	.3								2.2	2.2
NE	.2	4.5	2.7	.5								2.2	2.7
ENE	.1	2.3	1.1	.5								4.2	2.4
E	.5	1.3	.3									1.2	1.3
ESE		1.9	.2									1.2	1.3
SE	.2	.3	.4	.2								1.2	2.4
SSE	.2	.9	.1	.3	.1							1.1	2.4
S	.2	2.5	2.2	.6								1.5	2.4
SSW	.9	2.9	7.1	.8								7.4	6.5
SW	.1	3.3	4.1	2.5	.2							11.4	6.1
WSW	.4	2.4	6.6	2.7	.1	.1						11.4	8.6
W	.5	3.3	6.2	2.3								12.4	6.2
WNW	.4	1.7	3.7	1.5	.2							6.2	6.6
NW	.7	2.5	2.4	.6								5.2	6.2
NNW	.2	1.4	.5	.5								2.7	2.2
VARBL													
CALM												7.4	
	5.2	35.2	37.4	13.3	.6	.1						100	7.2

TOTAL NUMBER OF OBSERVATIONS 100

ALPHABETICALLY BY NAME
STATION
DATE OF YEAR

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROCKEE ISLAND AIRPORT IN YEARS 7-53 MONTH ALL

STATION NAME ALL WEATHER CLASS ALL MONTHS (L.S.Y.) ALL

CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 36	%	MEAN WIND SPEED
N	.2	2.4	3.5	.6								1.0	7.0
NNE	.1	2.4	2.8	.2	.1							.5	6.5
NE	.1	5.1	3.2	.2								.5	6.5
ENE	.5	2.1	1.1	.2								.5	6.5
E	.3	1.2	.1									.5	4.0
ESE	.3	.2	.6	.2		.1						.5	6.5
SE	.5	1.1	.3	.2	.1							.5	6.5
SSE	.2	1.4	.5	.3	.1							.5	6.5
S	1.1	.6	1.3	.5	.3							.5	6.5
SSW	.6	2.8	1.8	.4								.5	6.5
SW	.1	5.4	2.9	1.2								.5	6.5
WSW	.6	5.2	4.8	.5	.1							.5	6.5
W	.5	3.8	4.2	1.4	.1							.5	6.5
WNW		1.7	2.6	.5	.1							.5	6.5
NW		1.2	1.7	.1								.5	6.5
NNW		.2	.2	.1								.5	6.5
VARBL												.5	6.5
CALM												.5	6.5
	8.0	41.1	31.1	7.2	1.0	.1	.1					100.0	

TOTAL NUMBER OF OBSERVATIONS 53

3
JULY 1964
U.S. AIR FORCE
METEOROLOGICAL SERVICE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGRUE TISON AIRPORT TX YEARS 1955-1963 MONTHS ALL
STATION NAME MCGRUE TISON AIRPORT TX CLASS ALL
CONDITION ALL
HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.5	2.7	.6								.2	.2
NNE	.2	2.5	2.7	.6								.2	.2
NE	.8	1.8	3.7	1.1								.8	.8
ENE	.1	3.1	1.3	.3	.1							.1	.1
E	.1	1.3	.3	.1								.1	.1
ESE	.1	.1	.3	.1								.1	.1
SE	.7	.7	.3	.2								.7	.7
SSE	.7	.7	.3	.3	.1							.7	.7
S	.5	1.1	1.1	.8	.2							.5	.5
SSW	.7	1.7	1.5	1.0	.2							.7	.7
SW	.1	2.5	3.3	2.2	.7	.1						.1	.1
WSW	.5	3.4	4.4	2.6	.6	.7						.5	.5
W	.5	3.5	4.3	2.1	.3	.1						.5	.5
WNW	.7	1.4	1.7	1.0	.3	.7						.7	.7
NW	.4	2.2	1.2	.5	.7							.4	.4
NNW	.1	1.5	.8	.6								.1	.1
VARBL													
CALM												11.3	
	6.7	34.1	9.9	14.9	2.6	.1	.1					100.0	

TOTAL NUMBER OF OBSERVATIONS 1432

U.S. AIR FORCE CLIMATOLOGICAL SERVICE
 FORM 0-8-5 (OL-A)
 1-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ROGHE TOWN AIRPORT YEARS 1961 NORTH 000

CLASS ALL WEATHER

CONDITION

HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.5	1.0	.1									
NNE		.7	1.1	.2									
NE		5.0	2.1	.2									
ENE		1.2	.9	.2									
E		1.5	.1										
ESE		.5	.1		.1								
SE		.4	.4	.2									
SSE		.2	.3	.3	.7								
S		2.3	.8	.2	.1								
SSW		1.7	2.1	.4		.2	.1						
SW	.7	5.2	4.7	1.4	.6							12.2	7.7
WSW	.7	5.0	.1	1.4	.1							11.2	
W	.4	3.2	2.7	.8	.1	.1						7.7	
WNW	.2	1.1	1.1	.5								3.3	
NW	.1	1.7	.2										
NNW	.2	.2	.2										
VARBL													
CALM													
	6.4	32.4	23.4	6.6	1.0	.7	.1						

TOTAL NUMBER OF OBSERVATIONS 100

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	GORTH
	CLAS		HOUSE
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	7	1	1									
NNE	.	4	2	1									
NE	.	9	2	1									
ENE	.	10	1	1									
E	.	10	1	1									
ESE	.	1	1										
SE	.	1		1	1								
SSE	.	1			1								
S	.	1	1	1	1	1							
SSW	.	1	1	1	1		1						
SW	.	4	2	1	1	1							
WSW	.	4	2	1	1								
W	.	2	1	1	1	2							
WNW	4	1	1	1	1								
NW	.	1	1	1									
NNW	.	1	1										
VARBL													
CALM													
	0 1	3 6	12 7	1 6	1 8	7							

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE CLIMATE DIVISION
 FORM 84
 SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHEELER TUSCON AIRPORT TN YEARS 1961-1962 MONTH ALL

STATION NAME WHEELER TUSCON AIRPORT TN CLASS ALL WEATHER

CONDITION ALL WEATHER

HOURLS (L.S.T.) 24

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	3.4	1.1	.6								.9	0.7
NNE	.3	4.4	2.6	.6								1.7	0.7
NE	.2	6.7	3.5	.6								2.7	0.7
ENE	.4	4.2	.9	.2	.1							2.7	0.7
E	.1	1.4	.7									2.2	0.7
ESE	.3	.8	.7									2.2	0.7
SE	.1	.1			.1	.1						2.2	0.7
SSE	.2	.1		.1	.1							2.2	0.7
S	.3	.3	1.3									2.7	0.7
SSW	.1	1.9	1.1	.7	.7	.1						2.7	0.7
SW	.6	3.1	3.7	2.6	.7	.1						3.2	0.7
WSW	.7	4.2	2.7	1.3	.7							3.1	0.7
W	.4	2.3	2.1	1.1		.7						3.6	0.7
WNW	.4	1.2	.7	.7	.2	.1						3.6	0.7
NW	.1	1.1	.3									2.7	0.7
NNW	.3	1.1	.6	.1								2.7	0.7
VARBL													
CALM													
	7.4	36.2	24.7	8.3	1.2	.9						100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 24

UNITED STATES AIR FORCE
 AIRCRAFT
 DATA - SURFACE WIND

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MOORE TOWN AIRPORT IN YEARS 71-80 MONTHS ALL

CLASS ALL

CONDITION

HOURLS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.2	2.5	2.4	.1								.1	1.0
NNE	.5	2.0	2.0	.8								.1	1.0
NE	1.7	5.2	4.0	2.7	.1							1.2	1.8
ENE	.4	1.4	2.1	.6								.1	1.0
E	.7	1.6	.7	.2								.1	1.0
ESE	.4	.1	.5									.1	1.0
SE	.1	.3	.2									.1	1.0
SSE	.1		.1	.1	.1							.1	1.0
S	.3	1.2	.4	1.4		.1						.1	1.0
SSW	.1	1.7	1.6	2.1	.4	.1						.1	1.0
SW	.1	1.2	3.4	5.8	1.2	.1						1.2	11.0
WSW	.7	3.1	4.7	2.9	.4	.4						1.2	4.6
W	.7	2.1	2.3	1.9	.7							.7	8.8
WNW	.1	1.6	1.3	1.7	.1							.1	1.0
NW	.5	2.1	1.8	.6								.4	7.7
NNW	.1	.8	.3									.1	1.0
VARBL													
CALM													
	7.8	29.6	29.1	17.7	2.8	1.7						1.2	7.7

TOTAL NUMBER OF OBSERVATIONS 509

U.S. AIR FORCE
 WEATHER SERVICE
 WIND DATA

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOGHEE TYSON AIRPORT TX YEARS 74-83 MONTH AUG
 STATION NAME ALL WEATHER CLASS 1000-1400
 CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.2	1.9	.5								4.3	4.4
NNE	.1	1.6	2.2	1.1								5.4	7.3
NE	.3	2.9	7.6	1.2								7.6	7.1
ENE		1.2	1.7	.1								4.1	7.1
E	.2	1.7	.4									4.2	4.2
ESE	.2	.7	.1	.1								4.1	3.1
SE		.4	.1	.1								.1	7.2
SSE	.1	.3	.1									.1	5.1
S	.4	1.2	.2	.9	.2	.2						7.3	4.3
SSW		1.3	1.3	2.4	.4							4.1	1.1
SW	.3	2.9	3.2	4.7	1.7	.3	.2					17.3	11.1
WSW	.3	2.9	4.9	5.1	1.8	.6						17.7	11.2
W	.7	2.6	5.2	3.8	1.7	.1						14.1	1.1
WNW	.3	1.7	1.9	1.2	.2							5.3	8.6
NW	.2	2.9	2.2	.6	.1							5.0	7.1
NNW	.2	1.8	1.4	.1								3.0	6.3
VARBL													
CALM												4.2	
	4.3	27.7	32.0	22.2	6.1	1.2	.2					13.7	6.6

TOTAL NUMBER OF OBSERVATIONS 600

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORE TUSON AIRPORT TN YEARS 74-80 MONTH ALL MONTHS
CLASS ALL MONTHS
CONDITION ALL MONTHS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4	2.1	2.6	.2	.1							.4	6.2
NNE	.1	1.5	1.7	1.1								4.7	7.5
NE	.2	2.0	3.7	1.3	.1							5.1	7.7
ENE	.2	1.6	1.4	.8								4.8	7.3
E		1.1	.4	.2								1.5	6.4
ESE		.7	.6									.2	5.3
SE	.2	.6	.7									.1	5.1
SSE		.2	.1	.1	.1							1.1	2.4
S	.2	1.4	.8	.9	.2							2.3	6.7
SSW	.1	.2	1.0	3.1	.1	.1						.1	2.3
SW	.2	1.2	3.6	6.1	2.2	.1						1.3	3.8
WSW	.1	2.4	4.4	5.7	1.6	.4	.1					1.4	3.4
W	.1	2.2	4.4	3.6	1.4							1.3	3.1
WNW	.1	1.4	3.6	1.9	.4							.7	5.1
NW	.1	1.9	2.8	1.0	.1							1.4	7.8
NNW	.1	2.7	1.7									4.8	5.7
VARBL													
CALM												3.7	
	3.8	26.1	52.5	25.7	6.8	.7	.1					100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 1000

U.S. AIR FORCE
 CLIMATE DIVISION
 WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCEE TYSON AIRPORT TN STATION NAME MCCEE YEARS 1963 MONTH ALL

CLASS ALL WEATHER

CONDITION

HOURLS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.4	2.4	1.5								4.4	7.2
NNE	.2	2.7	1.1	.2	.3							4.4	7.2
NE	.3	3.7	2.3	.7								7.4	6.5
ENE	.6	2.2	2.2	.4								1.2	6.3
E	.2	.2	.2	.1								1.2	5.6
ESE		.1	.3									.2	5.8
SE	.3	1.7	.6	.2								2.5	5.3
SSE	.1	.4	.3	.1								1.2	4.4
S	.3	2.9	2.1	.8	.1							6.9	7.2
SSW	.2	3.9	2.3	1.1	.3							7.4	7.5
SW	1.1	3.7	6.2	1.9	.9							12.4	6.3
WSW	.4	4.6	5.2	1.9	.1							12.2	7.8
W	.6	3.4	3.6	2.0	.6							11.1	6.5
WNW		1.7	1.8	2.1	.1							5.7	9.4
NW	.7	2.1	2.1	.6								3.4	6.6
NNW	.4	1.6	1.3	.2	.1							3.7	6.6
VARBL													
CALM												6.3	
	5.8	38.7	34.0	17.0	2.4							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1470

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MC GHEE TUSCV AIRPORT TN YEARS 74-5 MONTH ALL
 STATION NAME ALL WEATHER CLASS ALL
 CONDITION ALL HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.4	4.0	.4								2.5	6.8
NNE	.1	2.4	2.0	.6								2.1	6.2
NE	.7	4.4	1.9	.4								2.3	6.2
ENE	.7	2.9	1.3	.1								1.1	5.7
E	.2	1.4	.1									2.4	5.8
ESE	.0	.6	.2									.0	5.7
SE	.4	.9	.4	.1								1.2	5.6
SSE	.0	.7	.2	.2								.0	5.5
S	.4	1.2	1.8	.9	.2							.2	7.6
SSW	.4	2.0	2.1	1.0	.1	.2						.2	7.2
SW	1.1	4.1	4.4	.7	.6	.1						11.2	7.6
WSW	.9	5.8	3.9	1.6	.1							1.1	5.2
W	.5	2.7	3.0	.6								.0	6.3
WNW	.4	1.2	1.2	.3	.1							.3	7.3
NW	.3	1.7	1.6	.2	.1							.1	7.1
NNW	.7	1.3	.3									.3	4.2
VARBL													
CALM												15.0	
	9.5	36.3	28.5	7.2	1.2	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 850

U.S. AIR FORCE CLIMATE CENTER
 WASHINGTON, D.C. 20330
 AIRCRAFT SERVICE UNIT

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHEELS TAYSON AIRPORT IN YEARS 71-83 MONTHS ALL

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.1	2.2	.7	.5							.3	6.4
NNE		2.2	2.3	.6	.7							.1	6.5
NE		4.5	7.1	.9	.1							.3	6.6
ENE		2.8	1.4	.4	.7							.1	6.1
E		1.7	.3	.1	.7							.2	4.6
ESE		.7	.2	.5	.5							.2	1.1
SE		.4	.3	.1	.7							.1	6.1
SSE		.5	.2	.1	.1							.2	6.4
S		1.6	1.1	.6	.1	.1						1.2	7.7
SSW		2.1	1.7	1.4	.3	.1						5.7	8.9
SW		2.3	3.9	2.3	1.1	.1						1.2	2.6
WSW		4.2	3.9	2.6	.5	.2						1.2	8.7
W		2.7	3.2	1.8	.6	.7						.8	8.8
WNW		1.3	1.7	1.1	.2	.1						4.5	6.7
NW		1.8	1.5	.9	.7							6.1	6.9
NNW		1.3	.7	.1	.7							2.6	5.7
VARBL													
CALM												1.3	
	7.0	24.0	27.5	13.7	3.0	.6	.1					100.3	7.7

TOTAL NUMBER OF OBSERVATIONS 7108

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MCNEE TOWN AIRPORT IN 74-83 DAY
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.7	2.4									6.5	1.6
NNE	.8	3.2	2.6	.5								1.1	1.7
NE	1.5	7.7	2.7									1.4	1.9
ENE	.9	4.8	.9									1.0	1.9
E	.4	1.2	.2									1.3	1.5
ESE	.4	1.1										1.3	1.5
SE	.7	1.4		.1								1.3	1.5
SSE	.7	.0		.7								1.4	1.7
S	1.5	1.4	.8	.3								1.4	1.7
SSW	.7	2.9	.5	.5								1.2	1.4
SW	.0	4.3	2.3	.8								1.1	1.5
WSW	1.4	5.2	2.5	.2								1.2	1.6
W	.5	4.5	.9	.2								1.1	1.4
WNW	.1	1.1	.9									1.2	1.2
NW	.8	1.7	.2									1.2	1.3
NNW	.4	1.7										1.5	1.2
VARBL													
CALM												75.0	
	17.1	44.3	16.7	3.0								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 83

U.S. AIR FORCE CLIMATOLOGY DIVISION
 AFM 64-100
 AFM 64-100-1

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION AGUEE TAYLOR AIRPORT IN YEAR 1955 MONTH MAY
 STATION NAME AGUEE TAYLOR AIRPORT IN CLAS ALL WEATHER
 COORDINATE 30° 10' N 108° 00' W
 ELEVATION 1000 FEET

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	1.8	.1								1.2	1.2
NNE	1.1	4.7	3.3									1.1	1.1
NE	1.1	8.0	2.8	.1								1.1	1.1
ENE	1.1	5.7	.2									1.1	1.1
E	.2	1.8	.2									1.1	1.1
ESE	.1	.2	.1									1.1	1.1
SE	.3	.2	.1									1.1	1.1
SSE	1.1	.4		.1	.1							1.1	1.1
S	.1	1.4	.2									1.1	1.1
SSW	.3	1.3	1.1	.4	.1							1.1	1.1
SW	.5	3.4	1.5	.8	.1							1.1	1.1
WSW	.6	3.9	2.6	.5	.1							1.1	1.1
W	.2	3.5	1.2	.2								1.1	1.1
WNW	.2	1.5	.1									1.1	1.1
NW	.2	1.4	.5	.1								1.1	1.1
NNW	.2	.2	.5									1.1	1.1
VARBL												1.1	1.1
CALM												1.1	1.1
	10.5	40.6	16.6	2.4	.4							10.5	1.1

TOTAL NUMBER OF OBSERVATIONS 47

1
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL SERVICE / MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WAGHLE FLYING AIRPORT IN TIME 11-55 MONTH NOV
STATION NAME YEARS
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.2	.9	.3								.4	4.2
NNE	.4	2.1	2.3	.2								.4	4.1
NE	1.7	9.7	5.4	.9								1.7	4.3
ENE	2.7	4.6	1.2	.1								.6	4.4
E	.1	1.9	.5									.2	4.5
ESE	.5	.9	.1									.1	4.6
SE	.1	.4	.1									.1	4.7
SSE	.7	.7	.2	.1								.2	4.8
S	.1	1.2	.3	.2	.1							.1	4.9
SSW	.1	2.1	.9	.2								.2	5.0
SW	.6	3.4	1.3	1.7								.3	5.1
WSW	.7	3.3	1.6	.6								.7	5.2
W	.5	3.1	1.2	.5								.1	5.3
WNW	.2	1.2	.6									.2	5.4
NW	.7	1.6	.3									.7	5.5
NNW	.5	1.3	.1									.2	5.6
VARBL													
CALM												.1	
	11.7	42.3	17.7	4.5	.1							1.2	4.2

TOTAL NUMBER OF OBSERVATIONS 117

U.S. AIR FORCE CLIMATE DIVISION
 WASHINGTON, D.C. 20330
 AIR FORCE WEATHER SERVICE 7740

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROCHESTER TOWN AIRPORT 11 YEARS 1956 MONTH JULY
 STATION NAME ROCHESTER TOWN AIRPORT 11
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0000-2300
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	4.1	1.4									4.4	5.2
NNE	1.2	3.2	2.4	.4								5.2	5.2
NE	.2	.6	4.7	1.6	.1							12.7	7.1
ENE	1.1	3.2	3.7	1.7								12.4	6.4
E	1.2	2.6	.4									4.2	4.4
ESE	.4	.8										1.2	.4
SE	.2	1.1	.1									1.3	4.4
SSE	.1	.4	.1	.1								.2	.5
S	.4	1.7	.4	.4								1.2	6.1
SSW	.6	1.6	1.4	.5	.3							.5	.4
SW	.1	3.3	2.2	1.8	.1							.6	7.6
WSW	.1	.2	5.1	1.7	.4							12.2	6.4
W	.9	3.4	3.7	1.6	.2							12.5	7.4
WNW	.2	1.4	.9	.5								.4	6.4
NW	.3	2.2	1.1									.4	5.4
NNW	.1	1.3	.5									.2	5.2
VARBL													
CALM												11.4	
	4.5	45.1	28.4	9.4	1.7							11.4	6.2

TOTAL NUMBER OF OBSERVATIONS 12

LOCAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE ZMAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROBERT T. SPAN AIRPORT TX YEARS 71-81 MONTH ALL MONTHS
CLASS ALL MONTHS
CONDITION ALL MONTHS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	4.9	16.2	35.7	15.1	1.5							1.2	

TOTAL NUMBER OF OBSERVATIONS 1000

U.S. AIR FORCE
 FORM 7-72
 PREVIOUS EDITIONS OBSOLETE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHEELER AIRPORT AT PORT LA STATION NAME WHEELER YEARS 1961-1962 MONTH ALL MONTHS

CLASS ALL MONTHS HOURS (L.S.T.) ALL

CONDITION ALL

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 2000

U.S. AIR FORCE CLIMATE CENTER
 AFM 8-5
 1. CLIMATE SERVICE / 1.1

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORE TISON AIRPORT TA YEARS 1950-1951 MONTH 1
 STATION NAME ALL WEATHER CLASS 1 HOURS (L & T) 1
 CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	4	1	1									
NNE	1	2	1	1									
NE	1	1	1	1									
ENE	1	1	1	1									
E	1	1	1	1									
ESE	1	1	1	1									
SE	1	1	1	1									
SSE	1	1	1	1									
S	1	1	1	1									
SSW	1	1	1	1									
SW	1	1	1	1									
WSW	1	1	1	1									
W	1	1	1	1									
WNW	1	1	1	1									
NW	1	1	1	1									
NNW	1	1	1	1									
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L & T) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

LOCAL CLIMATOLOGY BRANCH
 AFSTAC
 AIRCRAFT SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10006 ROGHEE TYSON AIRPORT TN 74-61 YEARS 1951 MONTH 11

STATION NAME ROGHEE TYSON AIRPORT TN CLASS ALL WEATHER HOURS (L & T) 111

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.4	2.2										2.4
NNE		2.4	2.4										2.4
NE		2.4	2.2										2.4
ENE		4.2	2.2										2.4
E		2.4	2.2										2.4
ESE			2.2										2.4
SE			2.2										2.4
SSE			2.2										2.4
S		2.4	2.2										2.4
SSW		2.4	2.2										2.4
SW		2.4	2.2										2.4
WSW		4.2	2.2										2.4
W		2.4	2.2										2.4
WNW		2.4	2.2										2.4
NW		2.4	2.2										2.4
NNW		2.4	2.2										2.4
VARBL													
CALM													
	2.4	4.2	2.2	2.2									2.4

TOTAL NUMBER OF OBSERVATIONS 7432

U.S. AIR FORCE CLIMATE DIVISION
 WETTER
 WETTER

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCQUEEN TOWN AIRPORT IN YEARS 7 MONTH 12

CLASS ALL

CONDITION

HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.8	1.6	.7									
NNE	.7	2.1	1.7	.7									
NE	1.7	5.6	1.1										
ENE	.8	4.7	.7	.1									
E	.5	1.7	.3										
ESE	.5	.6	.2										
SE	.5	1.3	.2										
SSE	.5	.2	.1										
S	.5	1.7	.6	.1									
SSW	.5	.2	.7	.1									
SW	1.1	5.5	2.2	.2									
WSW	.5	8.7	1.5	.7									
W	1.4	5.8	2.2	.2									
WNW	.5	1.9	.2										
NW	.1	2.6	.2	.4									
NNW	.7	1.3	.3										
VARBL													
CALM													
	12.0	50.7	14.6	1.6								76.2	

TOTAL NUMBER OF OBSERVATIONS 762

U.S. AIR FORCE
 WILLOW AIRFIELD
 WILLOW AIRFIELD

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME WILLOW AIRFIELD YEARS 1954 MONTH JULY
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.7	1.8									.2	1.7
NNE	1.5	2.2	1.6	.3								.2	1.7
NE	1.4	5.2	1.2	.4								.3	1.7
ENE	.7	1.2	.2									.2	1.7
E	.7	1.6										.2	1.7
ESE	.7	.7	.2									.2	1.7
SE	.4	.4	.7	.1								.2	1.7
SSE	.2	.4	.2									.2	1.7
S	.6	.2										.2	1.7
SSW	.4	1.4	.5	.2								.2	1.7
SW	1.1	3.4	1.2	.2								.2	1.7
WSW	1.7	5.5	3.1	.1								.2	1.7
W	.7	4.2	1.2	.2	.1							.2	1.7
WNW	.7	1.7	.7	.1								.2	1.7
NW	.7	2.6	.4									.2	1.7
NNW	.2	1.2	.2									.2	1.7
VARBL													
CALM													
	12.5	44.2	17.7	1.6	.1							2.2	1.7

TOTAL NUMBER OF OBSERVATIONS 899

UNITED STATES AIR FORCE
 USAFETAC
 WEATHER SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MCQUEE TAYSON AIRPORT IN YEARS 1967 MONTH JUL
 STATION NAME ALL WEATHER CLASS 1 HOURS (L.S.T.) 24
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.7	1.7									1.4	1.4
NNE	.7	4.2	1.1	.1								5.0	1.4
NE	1.4	5.2	7.4	.2								11.2	1.4
ENE	.7	5.1	.9	.3								7.0	1.4
E	.7	7.1	.1									7.9	1.4
ESE	.1	1.1	.1									2.3	1.4
SE	1.1	1.2	.7									3.0	1.4
SSE	.3	.4	.1									.8	1.4
S	.5	1.1	.7	.2								2.5	1.4
SSW	.4	2.2	1.7	.7								4.0	1.4
SW	.5	.4	2.1	.8								3.8	1.4
WSW	1.6	4.6	3.2	.2								9.6	1.4
W	.7	4.1	1.3	.1								6.2	1.4
WNW	.2	.4	.4	.1								1.1	1.4
NW	.7	1.2	.4									2.3	1.4
NNW	.4	1.1	.1									1.6	1.4
VARBL													
CALM												20.4	
	3.9	42.8	17.7	7.7								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 899

U.S. AIR FORCE
METEOROLOGICAL SERVICE
AFSCENTAFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORE TOWN AIRPORT TN YEARS 1950-51 MONTH JUL
STATION NAME MOORE TOWN AIRPORT TN CLIM ALL WEATHER
HOURS (L & T) 07-17
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.3	1.2	.2								.4	5.6
NNE	.0	2.3	1.4	.6								.4	5.2
NE	.2	4.7	2.8	.7	.1							.4	6.3
ENE	.5	5.4	1.6	.1								.4	6.3
E	.1	2.7	.2	.1								.4	5.8
ESE	.4	1.1										.4	4.5
SE	.7	1.7										.4	4.2
SSE	.6	.4	.1									.4	3.3
S	.2	.7	.1									.4	4.0
SSW	.4	2.7	1.6	.6	.1							.4	6.7
SW	.7	2.3	5.2	2.4	.2							.4	5.5
WSW	.4	3.7	7.2	3.6								.4	6.4
W	.8	3.7	4.2	1.4								.4	5.3
WNW	.7	2.7	1.6	.6								.4	6.7
NW	.7	3.6	.4	.1								.4	5.0
NNW	.5	1.9	.1									.4	4.4
VARBL													
CALM												10.7	
	7.8	41.6	22.2	12.3	.4							10.5	

TOTAL NUMBER OF OBSERVATIONS 100

GLOBAL CLIMATOLOGY PROJECT
 AFETAC
 AIR WEATHER SERVICE/AVAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NOBLE TOWN AIRPORT TA YEARS 70-81 MONTHS ALL
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.2	2.4	.7									
NNE	.4	1.2	2.4	.7									
NE	.7	1.6	3.3		.1								
ENE		1.1	1.2	.2									
E	.7	1.2	.6	.2									
ESE	.1	.5	.2										
SE	.1	.7	.2										
SSE		.1	.2										
S	.1	2.1	.7	.1	.7								
SSW	.1	2.1	2.1	.8	.4								
SW		3.0	5.9	3.7	.1								
WSW	.1	3.0	6.2	4.5	.2								
W	.3	3.0	7.1	2.2	.2	.1							
WNW	.1	3.1	3.3	.4									
NW		4.9	2.7	.8									
NNW	.1	2.7	1.4										
VARBL													
CALM												4.7	
	7.7	36.0	40.0	16.1	2.7	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 576

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COOPER TOWN AIRPORT TN YEARS 74-75 MONTH JULY
STATION NAME ALL WEATHER CLASS ALL WEATHER
CONDITION ALL WEATHER HOURS (L.S.T.) 11:00-17:00

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	3.7	3.0	.3								2.4	6.0
NNE		1.7	3.4	1.0								5.2	3.4
NE	.1	1.7	3.0	.9	.1							5.2	3.4
ENE	.0	1.0	2.7	.2								5.2	3.4
E	.1	.0	1.1									5.2	3.4
ESE		.0	.7	.2								5.2	3.4
SE	.1	.7	.3									5.2	3.4
SSE	.0	.0	.3									5.2	3.4
S	.1	1.2	1.0	.3								5.2	3.4
SSW	.0	1.1	2.7	1.0								5.2	3.4
SW		2.0	5.2	4.0	.8							11.0	15.2
WSW	.1	2.6	6.6	3.2	.2	.1						11.0	9.0
W	.7	3.3	8.7	2.6	.3							11.0	9.0
WNW	.1	4.7	3.4	.8								2.3	7.1
NW	.1	3.6	2.1	.4								5.2	6.6
NNW	.6	2.9	1.6									5.2	6.6
VARBL													
CALM												2.0	
	2.5	32.5	45.2	15.0	1.4	.1	.1					11.0	7.7

TOTAL NUMBER OF OBSERVATIONS 696

JOINT CLIMATECLOGY WATCH
 PROJECT
 AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALBERT TAYSON AIRPORT IN YEAR 74-75
 STATION NAME MONTH
 CLASS ALL WEATHER
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	5.1	3.2	1.0								1.7	6.4
NNE	.1	3.2	2.1	.3								1.2	2.4
NE	.2	1.7	1.1	.2	.1							2.3	2.7
ENE		1.3	2.8									1.2	2.4
E		1.4	1.3	.1								2.7	1.6
ESE	.1	1.2	.7									1.2	1.1
SE	.1	1.7	.5									.2	1.6
SSE		.1	.3	.2								.2	2.0
S	.2	1.2	.3	.1								1.5	1.0
SSW	.2	2.4	2.6	.3								3.2	1.6
SW	.3	6.4	5.9	.9								1.3	7.1
WSW		6.4	4.1	1.7								1.3	7.1
W	.1	5.6	3.7	.3	.2	.1						1.5	7.0
WNW	.2	3.4	2.2	.6								1.4	6.7
NW	.6	4.9	1.6									1.2	6.3
NNW	.7	3.7	.2									3.0	4.8
VARBL													
CALM												.4	
	2.8	57.6	24.3	5.4	.7	.1						1.7	7.7

TOTAL NUMBER OF OBSERVATIONS 650

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MOBILE TAYSON AIRPORT IN YEARS 74-75 MONTH 1-12

CLASS ALL WEATHER HOUSE (L.S.T.) 100-100

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.9	2.3	.1								.1	1.1
NNE	.5	4.1	2.4									.1	1.1
NE	1.7	5.7	1.8	.1								.2	1.2
ENE	.6	4.2	.8	.1								.1	1.1
E	.2	1.3	.7									.2	1.1
ESE	.2	.9	.2	.2								.1	1.1
SE	1.1	1.4	.6	.1								.2	1.1
SSE	.1	.8	.2									.1	1.1
S	.8	2.2	.7	.1								.1	1.1
SSW	.4	2.7	1.9	.2								.2	1.1
SW	1.2	3.2	2.1	.2								.1	1.1
WSW	1.2	6.3	2.4	.6								.1	1.1
W	.7	4.6	1.1	.1								.1	1.1
WNW	.2	1.4	.2	.1								.1	1.1
NW	.2	2.4	.4									.1	1.1
NNW	.2	1.9	.3									.1	1.1
VARBL													
CALM												15.6	
	16.2	53.6	18.1	2.0								8.0	4.6

TOTAL NUMBER OF OBSERVATIONS 250

UNITED STATES AIR FORCE
 AIRCRAFT SERVICE BRANCH

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROCKWELL FIELD AIRPORT IN YEAR 1963 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.8	2.1	.7								.6	1.1
NNE	.5	3.1	2.0	.7								.6	1.1
NE	.2	4.5	2.5	.3	.1							.6	1.1
ENE	.7	3.2	1.5	.1								.4	.6
E	.4	1.7	.7	.1								.3	.5
ESE	.2	.5	.2	.1								.1	.1
SE	.7	1.1	.3	.0								.1	.4
SSE	.3	.8	.2	.0								.1	.2
S	.5	1.3	.5	.1	.0							.2	.4
SSW	.4	2.4	1.7	.4	.1							.6	1.1
SW	.5	4.6	7.9	1.5	.1							1.1	2.4
WSW	.7	5.1	4.7	1.6	.1	.0						1.1	2.4
W	.7	4.4	3.6	.9	.1	.0						.7	2.1
WNW	.7	2.4	1.6	.3								.4	1.1
NW	.4	3.2	1.1	.5								.4	.6
NNW	.4	2.1	.6									.1	.1
VARBL													
CALM												1.0	
	7.2	44.4	26.7	6.4	.5	.0	.0					1.6	5.1

TOTAL NUMBER OF OBSERVATIONS 7127

U.S. AIR FORCE METEOROLOGICAL BRANCH
 AFM 52-100
 METEOROLOGICAL SERVICE AVAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROCKS TOWN AIRPORT IN YEARS 19-20 MONTH
 STATION NAME ALL WEATHER CLASS HOURS (L & T)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	0.0										
NNE	0.0	3.7	1.1										
NE	0.0	1.7	1.6	0.1									
ENE	1.0	2.2	0.0										
E	1.1	1.7		0.1									
ESE	0.4	1.7	0.2	0.1									
SE	0.4	1.4	0.1										
SSE	0.4	0.7											
S	0.0	1.0	0.5	0.1									
SSW	1.0	2.2	0.5										
SW	1.3	1.6	1.0	0.1									
WSW	1.3	1.1	1.7	0.2									
W	0.0	1.0	1.1										
WNW	0.0	1.7	0.3										
NW	1.0	2.0	0.7	0.1									
NNW	0.0	0.5		0.1									
VARBL													
CALM												0.3	
	17.3	40.9	10.2	1.2									

TOTAL NUMBER OF OBSERVATIONS

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
OFFICE OF NAUTICAL SERVICES

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 HOURS (L & T) _____
 CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0											
NNE		1.0	1.0										
N E	2.0	1.0	1.0	1.0									
ENE		1.0	1.0										
E	1.0	1.0	1.0										
ESE		1.0											
SE			1.0										
SSE				1.0									
S					1.0								
SSW		1.0	1.0										
SW	1.0	1.0	1.0										
WSW	1.0	1.0	1.0	1.0									
W		1.0	1.0	1.0									
WNW		1.0	1.0		1.0								
NW		1.0	1.0			1.0							
NNW		1.0					1.0						
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		

TOTAL NUMBER OF OBSERVATIONS _____

U.S. AIR FORCE
 AFM 7-21.1
 1-60

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORE T. ON AIRPORT TN YEARS 1-2 NORTH

CLASS ALL CLASSES HOUSE (C.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

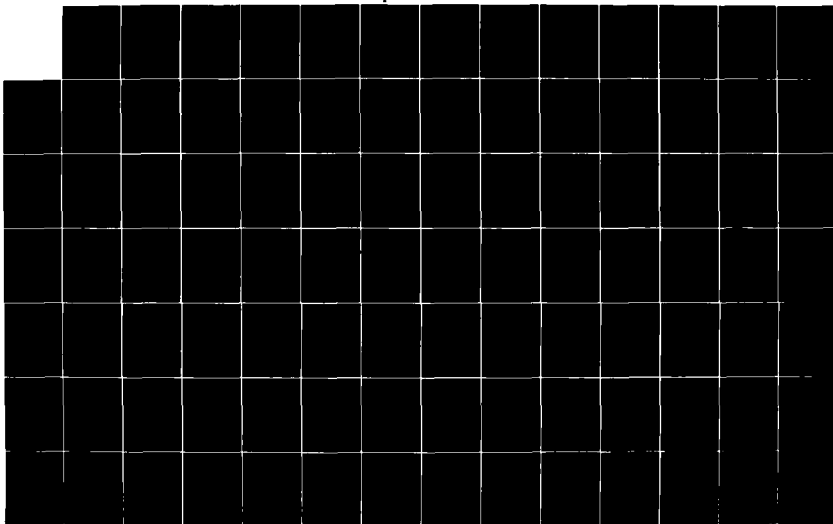
TOTAL NUMBER OF OBSERVATIONS

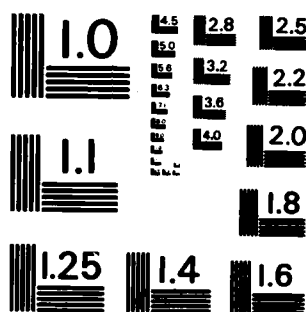
AD-A140 245

MCGHEE-TYSON AIRPORT TENNESSEE REVISED UNIFORM SUMMARY
OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 30 JAN 84
UNCLASSIFIED USAFETAC/DS-84/006 SBI-AD-E850 614 F/G 4/2

2/5

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

723264 STATION MCGHEE TYSON AIRPORT TN 74-83 YEARS 1911
ALL WEATHER CLASS 722-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.8	.3	.1								4.6	4.6
NNE	.3	3.1	1.5									5.7	5.6
NE	.9	5.7	3.2	.5								11.3	6.2
NNE	.8	4.2	1.5	.1								6.6	5.6
E	.5	.9	.8									2.2	5.3
ESE	.3	1.2	.1									1.6	4.4
SE	.3	1.1	.2									1.4	4.5
SSE	.1	.8										.5	4.4
S	.3	1.9	.6									2.9	5.1
SSW	.4	2.2	2.5	.3								5.4	6.6
SW	.5	4.8	5.6	1.1								12.1	7.2
WSW	.8	5.7	6.2	1.5								13.5	7.3
W	1.7	5.8	3.8	.8								11.0	5.8
WNW	.5	2.7	.8									3.3	5.2
NW	.6	3.7	.3	.2								4.2	5.7
NNW	.4	1.8	.1									2.4	4.4
VARB													
CALM												12.9	
	10.0	45.5	27.2	4.3								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725267 STATION MCGHEE TYSON AIRPORT TN 74-87 YEARS JULI MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	5.2	1.5	.1								7.5	5.3
NNE	.1	1.6	1.7	.2								3.7	6.8
NE	.8	3.3	3.3	.1								7.5	6.1
ENE	.4	2.7	1.8	.3								4.6	6.5
E	.1	1.8	1.7	.1								2.6	6.5
ESE	.4	.9	.2	.1								1.6	5.5
SE	.1	1.1	.3									1.5	5.8
SSE		.6										.5	5.0
S	.4	2.4	1.3	.3								4.8	6.1
SSW	.1	1.9	2.3	.6								5.7	7.8
SW	.3	2.8	2.6	2.8								8.1	8.5
WSW	.4	5.1	6.1	2.8	.1							14.5	8.1
W	1.1	6.7	5.5	1.1								19.3	6.5
WNW	.2	3.6	2.9	.2								6.9	6.3
NW	.3	4.1	2.7	.3								6.8	6.0
NNW	.5	3.8	1.2									5.5	5.8
VARBL													
CALM												5.4	
	6.1	86.8	33.3	8.7	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 978

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

723064 MCGHEE TYSON AIRPORT IN 7/1-83 YEAR 1500-1700
STATION STATION NAME CLASS HOURS (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	4.9	2.6	.8								9.1	6.3
NNE	.8	1.7	1.6	.5								4.3	6.7
NE	.1	3.1	2.6									5.8	6.6
ENE		2.6	2.4	.1								5.1	6.3
E		2.7	1.3	.2								3.5	6.5
ESE	.1	1.1	.9		.1							2.2	7.0
SE	.2	1.1	1.2									2.5	6.3
SSE		.9	.6									1.5	6.4
S	.5	1.5	1.0	.3								3.3	6.3
SSW	.1	1.4	2.2	1.0								4.6	8.1
SW	.2	2.6	5.9	1.7								10.8	8.2
WSW	.2	3.7	6.0	2.3	.1							12.3	8.2
W	.3	4.9	4.8	.9	.2							11.2	7.1
WNW	.2	3.9	3.8	.8	.1							6.8	7.1
NW	.2	5.1	3.2	.1								8.6	6.2
NNW	.2	1.7	1.0	.1	.1							3.1	6.8
VARB													
CALM												4.1	
	3.8	42.2	40.6	8.7	.6							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727261 MCGHEE TYSON AIRPORT IN 74-83 100
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	5.2	2.9	.1								2.0	5.8
NNE	.4	2.4	1.6									4.4	6.1
NE	.4	3.2	2.6	.1	.1							7.5	6.1
ENE	.4	2.0	1.5	.1								4.9	5.9
E	.4	2.3	1.5									4.2	6.0
ESE	.1	2.2	1.7									3.2	5.8
SE	.2	3.3	.9		.1							4.5	5.8
SSE	.1	1.1	.5	.1								1.8	6.2
S	.4	2.5	.9									3.3	5.4
SSW	1.1	4.2	1.7	.1								6.9	5.6
SW		5.7	4.1	.6								10.4	6.6
WSW	.6	5.1	4.2	.4								10.3	6.8
W	.2	3.3	4.4	.4								8.4	6.8
WNW	.3	2.6	.8	.1	.1							3.9	5.9
NW	.8	4.4	1.6	.1								6.9	5.5
NNW	.3	3.2	.3									3.9	5.1
VARBL													
CALM												6.5	
	6.8	53.8	30.8	2.3	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 332

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

707245 STATION MCGHEE TYSON AIRPORT IN 74-83 YEARS 111
STATION NAME STATION NAME YEARS
ALL WEATHER CLASS 7100-2300
MOON (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.3	3.0	.6	.1								4.1	5.5
NNE	1.3	3.2	.8	.1								5.4	5.1
NE	1.2	6.3	1.4	.1								9.0	5.2
ENE	1.2	5.6	.5									7.3	4.6
E	1.2	1.8	.1	.1								3.2	4.4
ESE	.5	1.4	.3	.1								2.4	5.0
SE	.4	2.4	.2									3.0	4.8
SSE	.4	1.3	.2	.1								2.0	5.2
S	.9	2.7	.8	.1								4.4	5.1
SSW	.6	4.3	.8									5.7	4.9
SW	.8	8.3	1.8	.2								11.1	5.4
WSW	1.3	6.8	3.1	.2								11.4	5.7
W	.9	3.2	.6									4.7	4.8
WNW	.3	1.2	.2	.1	.1							1.9	5.9
NW	.5	1.8	.3									2.7	4.8
NNW	.4	1.2	.1									1.7	4.6
VARB													
CALM												19.9	
	12.3	54.5	11.9	1.3	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 723267 MCGHEE TYSON AIRPORT TN 74-83 YEAR 1974
STATION NAME ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.5	1.2	.1								5.6	5.4
NNE	.6	2.6	1.4	.1								4.8	5.7
NE	1.0	5.1	2.4	.2	.7							8.7	5.7
ENE	.8	3.8	1.2	.1								5.9	5.2
E	.7	1.9	.6	.1								3.3	5.1
ESE	.3	1.3	.3	.1	.0							2.0	5.3
SE	.4	1.6	.4		.7							2.3	5.1
SSE	.3	.7	.2	.1								1.2	5.3
S	.6	1.9	.6	.1								3.2	5.3
SSW	.5	2.7	1.4	.3								4.9	6.5
SW	.7	5.2	3.2	.8								10.0	6.5
WSW	.8	5.7	3.9	1.0	.0							11.8	6.6
W	.8	4.8	2.8	.3	.7							8.7	6.1
WNW	.4	2.3	1.0	.2	.0							3.9	6.0
NW	.6	3.1	1.1	.1								4.8	5.8
NNW	.4	1.8	.3	.0	.0							2.5	5.1
VARBL													
CALM												16.7	
	9.6	88.0	22.1	3.5	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 7436

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72726- STATION MCGHEE TYSON AIRPORT TN 74-83 YEARS AVG MONTHLY 1000-2200 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.8	.3									5.0	4.4
NNE	1.1	5.1	1.6									7.8	5.4
NE	1.8	5.9	1.8	.1								9.3	5.2
NNE	1.5	8.3	.3									5.8	4.4
E	1.3	1.7	.1									2.9	3.7
ESE	.8	1.0	.1									1.8	4.3
SE	.9	1.4										2.3	4.0
SSE	.6	1.2										1.8	3.7
S	.5	1.5										2.0	4.2
SSW	.8	2.7	.8									3.6	4.8
SW	1.8	5.0	1.1									7.8	4.8
WSW	1.7	5.5	.8	.1								8.1	4.8
W	.6	5.0	.5									6.1	4.8
WNW	.6	1.7	.8									2.8	4.9
NW	1.3	1.9	.2									3.8	4.3
NNW	.9	1.5										2.8	3.9
VARBL													
CALM												28.1	
	15.0	48.0	7.8	.2								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 628

3021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72326 STATION MCGHEE TYSON AIRPORT TN 74-83 YEARS 2 MC NORTH
ALL WEATHER CLASS 1300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.4	.3	.1								5.7	4.7
NNE	1.1	5.2	1.3									7.5	4.9
NE	1.9	7.5	2.6									12.1	5.7
ENE	1.9	4.5	.2									6.7	4.1
E	.6	2.6	.3									3.7	4.3
ESE	.4	1.1										1.5	4.2
SE	.4	.8										1.2	3.7
SSE	.2	1.5	.2									1.9	4.9
S	1.7	1.9										2.9	4.1
SSW	.9	1.5	.1	.1								2.1	4.6
SW	.6	3.6	.4	.1								4.7	5.0
WSW	1.4	5.6	1.1									8.1	4.9
W	.9	4.2	.5									5.6	4.8
WNW	.3	.8	.4									1.5	5.1
NW	.2	1.1	.2									1.5	5.1
NNW	.5	1.3	.1									1.9	4.1
VARBL													
CALM												30.8	
	13.5	47.5	7.9	.3								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

723260 STATION MCGHEE TYSON AIRPORT TN 74-83 YEARS ANF
ALL WEATHER CLASS 0000-2400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.8	.5									4.4	4.7
NNE	1.0	3.1	1.8									5.5	5.2
NE	1.6	7.1	2.9	.1								11.7	5.3
ENE	2.3	7.2	.6	.1								10.2	4.6
E	2.4	3.3	.1									5.8	3.9
ESE	.6	1.3										1.3	4.1
SE	.6	1.6										2.3	4.1
SSE	.2	.5										.8	3.9
S	1.1	1.5	.1									2.7	3.9
SSW	.2	2.7	.3									3.9	4.7
SW	.6	3.8	1.7	.2								8.4	5.6
WSW	.9	3.6	1.2	.1								5.7	5.3
W	.5	3.0	1.0									4.5	5.3
WNW	.5	.5	.1									1.2	4.4
NW	.8	1.3										1.7	4.6
NNW	.3	1.2	.2									1.5	4.6
VARBL													
CALM												29.8	
	16.1	44.7	10.2	.5								100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72260 STATION MCGHEE TYSON AIRPORT TN 74-83 YEARS ALL WEATHER CLASS 230-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.5	2.5	1.2									4.2	5.5
NNE	.8	3.1	1.0									4.3	5.1
NE	1.5	5.8	3.8	1.2								12.3	6.5
ENE	.5	3.3	1.9	.2								6.0	6.0
E	1.4	2.7	.9									7.9	4.5
ESE	.2	1.1	.2									1.5	4.9
SE	.4	1.5	.2									2.2	4.4
SSE	.3	.6	.2									1.2	4.7
S	1.0	2.2	.8	.2								3.1	5.2
SSW	.2	2.6	1.4	.5								4.7	6.6
SW	.6	3.3	4.3	.5								8.8	6.9
WSW	1.3	6.5	6.7	.2								14.0	6.8
W	1.0	4.2	1.9	.1								7.2	5.6
WNW	.9	2.2	.3									3.3	4.5
NW	.6	2.6	.5									3.8	4.7
NNW	.5	2.0										2.6	4.8
VARB													
CALM												15.4	
	11.8	45.5	28.7	3.0								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

720060 MOGHEE TUSON AIRPORT TN 74-67 ALL WEATHER 1000-1400
STATION STATION NAME YEARS MONTHS (L.S.T.)
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	5.7	2.3	.5								3.2	5.0
NNE	.5	2.2	1.0	.1								4.7	5.5
NE	.1	3.5	1.8	.5								6.1	6.6
ENE	.4	1.4	2.0	.1								4.1	6.4
E	.3	2.2	.8									3.2	5.4
ESE	.3	.9	.3									1.5	3.1
SE	.2	1.2	.1	.1								1.4	5.4
SSE	.1	1.2										1.3	4.6
S	.2	2.2	1.2	.2								3.8	6.1
SSW		2.5	3.3	1.0								6.5	7.6
SW	.3	3.4	4.1	1.9								5.8	7.9
WSW	.1	5.3	5.2	.8								11.3	7.0
W	.9	5.9	8.8	.2								11.4	6.4
WNW	.2	8.0	1.8	.2								6.2	6.1
NW	.8	5.8	2.5	.2								6.5	5.9
NNW	.1	2.6	1.2	.1								4.0	5.8
VARB													
CALM												5.7	
	4.0	49.4	33.0	4.0								15.0	6.0

TOTAL NUMBER OF OBSERVATIONS 670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 77126 MCGHEE TYSON AIRPORT IN 76-81 YEARS 4 MONTHS 1-12

STATION NAME ALL WEATHER CLASS 1 HOURS (L & T) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	5.7	3.4	.5								1.0	2.0
NNE	.1	2.5	2.7	.5								2.0	2.0
NE	.2	2.5	2.6	.5								1.0	1.0
ENE	.7	2.7	2.4	.7								1.0	1.0
E	.1	1.4	.2	.1								2.0	1.0
ESE		1.0	1.2									2.0	1.0
SE	.1	.5	.3									1.0	1.0
SSE	.1	.5	.4	.2								1.2	1.0
S	.1	1.0	1.1	.1	.1							2.3	1.0
SSW	.4	2.7	2.3	1.1								2.7	1.0
SW	.5	2.3	4.3	1.5	.1							7.3	7.3
WSW	.7	3.5	4.9	.4								1.1	7.2
W	.5	4.4	5.8	1.2								1.0	7.1
WNW	.1	3.3	2.2	.6								2.2	6.7
NW	1.2	6.3	1.9	.2								2.0	6.6
NNW	.2	4.4	.0									1.5	4.4
VARBL													
CALM												0.0	
	4.5	45.8	37.2	7.2	.2							100.0	

TOTAL NUMBER OF OBSERVATIONS 100

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 120750 MCGHEE TYSON AIRPORT IN 74-87 YEARS 1970-1974
STATION NAME ALL WEATHER MONTHS NOV 1970-NOV 1974
CLASS NOV 1970-NOV 1974
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.2	3.8	.3								7.7	6.0
NNE	.7	3.1	1.3	.7								1.1	1.1
NE	.5	5.0	2.5	.1								1.1	1.2
ENE	.4	4.6	2.8									7.9	5.1
E	.3	2.2	.2	.1								2.5	1.1
ESE		1.9	1.1									1.3	1.8
SE	.1	1.5	.5									2.6	1.6
SSE	.3	1.4	.2									1.9	1.1
S	.4	1.0	1.0	.1								3.4	1.5
SSW	.2	4.7	1.2	.2								7.0	1.4
SW	.3	7.4	2.9	.4								11.1	1.9
WSW	.5	4.7	1.9	.3								2.5	1.0
W	.9	4.2	1.4	.2								1.7	1.5
WNW	.1	3.2	.9									4.2	1.4
NW	1.2	5.0	.3	.1								6.6	1.7
NNW	1.0	3.3	.5		.1							5.0	1.2
VARBL													
CALM												7.4	
	8.7	58.9	22.5	2.3	.1							116.0	1.3

TOTAL NUMBER OF OBSERVATIONS 928

CLIMAT CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00026 MCGHEE TYSON AIRPORT TN YEAR 74-83 MONTH ALL
CLASS ALL WEATHER HOURS 2100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	3.3	1.2	.1								5.5	5.3
NNE	.3	2.9	1.9		.1							5.3	4.5
NE	1.6	7.8	2.0	.1								11.5	5.1
ENE	.5	6.9	.3									7.8	4.5
E	1.1	3.1	.5									4.6	4.5
ESE	.3	1.2	.2									2.4	4.7
SE	.9	1.5	.1									2.5	4.1
SSE	.6	1.5	.3									2.5	4.7
S	.6	1.9	.4	.1								1.1	5.1
SSW	.9	5.1	.5	.1								6.6	4.4
SW	1.6	7.1	.8									4.4	4.6
WSW	1.4	4.9	1.3									7.6	4.9
W	.6	2.1	.2	.1								1.0	4.9
WNW	.2	1.3	.3									2.4	5.3
NW	.3	1.2	.3	.1								1.9	5.5
NNW	.5	1.1	.2									1.6	4.4
VARBL													
CALM												2.1	
	12.5	53.8	10.8	.6	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727261 STATION MCGHEE TYSON AIRPORT TN 74-63 YEARS AUG 1967
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.1	1.6	.2								6.8	5.6
NNE	.6	3.8	1.6	.1								5.6	5.7
NE	1.1	5.7	2.5	.3								6.0	5.7
ENE	1.0	4.3	1.3	.1								6.7	5.2
E	1.0	2.2	.8	.0								3.6	4.0
ESE	.7	1.3	.4									2.0	5.0
SE	.5	1.3	.2	.0								1.9	4.5
SSE	.3	1.1	.2	.0								1.0	4.7
S	.6	1.9	.6	.1								3.2	5.2
SSW	.6	3.1	1.2	.8								5.2	5.9
SW	.8	4.5	2.4	.6	.0							3.3	4.2
WSW	.2	4.9	2.8	.2								6.9	5.9
W	.7	4.1	2.7	.2								7.1	5.8
WNW	.4	2.2	.8	.1								3.6	5.6
NW	.7	3.1	.8	.1								4.0	5.2
NNW	.5	2.2	.8	.0	.0							3.1	4.9
VARBL													
CALM												18.1	
	10.9	49.2	19.2	7.5	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 7430

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72326 STATION NAME MCGHEE TYSON AIRPORT TN YEARS 72-82 SFC 000-022
COUNTY DAVIESS (L.E.V.)
ALL WEATHER CLASS
COMBINATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	5.1	1.7									1.2	5.3
NNE	1.4	7.5	2.1	.1								1.7	5.8
NE	1.2	8.4	4.0	.3								1.6	5.8
ENE	1.1	3.9	.6	.1								1.6	4.7
E	.7	2.2	.1									1.0	4.1
ESE	.1	.9										1.0	3.2
SE	.6	.7	.1									1.3	2.8
SSE	.2	.6										.6	1.9
S	.4	1.4										1.9	4.4
SSW	.4	1.2	.6	.1								.1	5.7
SW	1.3	2.3	.9	.1								4.3	5.1
WSW	.9	1.3	.6	.3	.1							5.2	5.7
W	.7	3.8	.8									8.6	8.8
WNW	.7	1.6	.1									2.3	4.8
NW	.8	1.2	.3									2.3	8.3
NNW	.7	2.1	.2									2.9	8.5
VARI													
CALM												29.8	
	12.3	85.0	11.7	1.1	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22126 MCGHEE TYSON AIRPORT IN 77-82 YEARS 510
STATION NAME CLASS HOUSE (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	5.6	1.4	.1								7.8	5.3
NNE	1.1	6.1	2.1	.2								9.6	5.5
NE	3.1	10.6	3.3	.1								17.1	5.1
ENE	1.4	5.9	.7									8.1	4.6
E	.2	1.6	.1									2.4	3.9
ESE	.7	1.1										1.8	3.9
SE	.7	1.1	.1									1.4	4.2
SSE	.4	.3										.2	3.6
S	.8	.9										1.7	3.7
SSW	.5	.9	.2	.1								1.6	5.7
SW	.7	1.7	.1	.2								2.7	5.2
WSW	.4	2.1	1.1		.1							3.3	5.6
W	.3	2.3	.9	.1	.1							3.3	5.9
WNW	.2	.7										.9	4.1
NW	.6	1.1	.4									2.1	4.8
NNW	.6	1.3	.3									2.2	4.4
VARBL													
CALM												72.2	
	12.7	41.1	10.9	.8	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 820

U. S. AIR FORCE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 721260 HOGUEF TUSON AIRPORT TN STATION NAME 77-81 YEARS 1977-1980
ALL WEATHER CLIM DATE 1000-0800 HOURS (L.S.T.)
COUNTRY

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.6	.7	.1								6.2	4.7
NNE	1.1	5.8	2.9	.8								1.2	6.1
NE	.2	11.0	5.2	.3								17.3	5.2
ENE	1.9	6.3	1.4	.1								1.2	4.8
E	1.6	1.7	.1									2.3	3.9
ESE	.6	1.6										2.1	3.9
SE	.2	1.7	.2									1.4	4.6
SSE	.3	.2										.6	3.6
S	.2	1.7										1.2	4.5
SSW	.6	1.4	.1	.1								2.2	4.8
SW	.8	2.2	.8	.1								3.9	5.5
WSW	.4	1.7	.7	.3								3.1	6.0
W	.1	1.7	.8									2.6	6.0
WNW	.1	.6	.1									.8	5.1
NW	.3	1.3	.3									2.0	4.9
NNW	.1	1.7	.1									1.9	4.9
VARB													
CALM												71.1	
	10.8	82.8	17.8	1.9								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72726- STATION MCGHEE TYSON AIRPORT TN 77-52 YEARS 200-1000
STATION NAME CLASS CODES (L.B.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.2	4.1	1.9									2.0	5.5
NNE	.6	3.3	4.1	.2								8.2	6.5
NE	1.7	6.2	7.1	1.9								14.8	6.9
ENE	.9	6.6	3.7	.9								14.9	5.9
E	1.6	4.1	.3									6.7	4.9
ESE	.6	1.2										1.3	4.4
SE	.1	1.1	.2									1.9	4.9
SSE	.3	.7	.2									1.2	4.7
S	.2	1.9	.9									3.1	4.7
SSW	.6	1.9	.4									2.4	4.6
SW	.7	2.6	2.3	.4								5.6	4.7
WSW	.8	3.9	3.2	.9								5.8	6.9
W	1.1	1.7	1.7	.1								4.6	5.7
WNW	.2	2.1	.2	.1								2.7	5.4
NW	.7	1.8	.8									2.9	4.8
NNW	.7	1.7	.3									2.7	4.9
VARBL													
CALM												14.1	
	11.0	44.2	36.0	3.7								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72261 MCGHEE TYSON AIRPORT TN YEAR 71-81 SEE 0000
STATION NAME CLASS ALL WEATHER NUMBER (I.S.T.) 1000-1400
COMPUTED

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	5.2	3.2									1.3	5.6
NNE	.2	3.0	3.2	.6								6.2	7.1
NE	.6	3.8	6.1	1.6								12.2	2.5
ENE	.5	2.2	4.7	.3								7.8	6.7
E	.3	1.8	1.4									3.6	5.8
ESE	.1	1.3	.2									1.7	5.7
SE		.7	.3									1.2	5.7
SSE		.6	.1									1.0	5.2
S	.2	1.4	.9	.1								.2	5.8
SSW	.6	2.2	.8	.3								3.2	6.1
SW	.3	2.3	2.2	1.7								7.2	6.7
WSW	.2	3.3	5.1	.3								2.0	7.0
W	.2	5.6	4.3	.8								11.2	6.5
WNW	.4	4.1	1.2	.3								6.8	6.2
NW	.4	2.4	2.7									5.2	5.9
NNW	.6	3.4	1.6									5.6	5.6
VARBL													
CALM												5.8	
	6.6	44.6	37.8	5.7								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 203263 MCGHEE TYSON AIRPORT IN 71-81
STATION NAME YEAR
ALL WEATHER CLASS
CONDITION
1500-1700
MOON (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	7.7	4.1	.3								12.4	6.0
NNE	.2	1.7	2.2	.5								5.1	8.1
NE	.3	4.3	3.6	1.2								9.4	7.3
NNE	.2	2.7	4.1	.8								7.8	7.6
E	.2	2.2	1.1	.1								3.7	5.8
ESE	.2	.7	.8	.1								1.8	6.7
SE	.1	.6	.6	.1								1.3	7.3
SSE	.1	.6	.7	.1								1.4	6.7
S		1.4	1.1	.2								2.8	6.4
SSW	.1	1.8	2.5	.7								4.6	7.4
SW	.3	3.2	2.7	.4	.1							6.5	6.8
WSW	.4	3.6	4.1	.8								8.6	6.8
W	.3	4.0	4.0	.2	.1							8.7	6.7
WNW		3.3	2.7	.2								6.2	6.6
NW	.8	3.9	4.1	.2								8.7	6.5
NNW	.8	4.0	1.7	.6								6.7	6.3
VARBL													
CALM												4.2	
	4.2	45.6	39.7	6.7	.2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72326 STATION HCCUEF TYSON AIRPORT IN 72-6 YEARS SEP 1960-2000
ALL WEATHER CLASS 1400-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.6	5.1	.4								15.6	6.1
NNE	.2	5.1	2.6	.1								2.1	5.3
NE	.7	8.7	2.3	.7	.1							11.8	5.9
ENE	.7	6.2	2.1	.2								9.2	5.6
E	.7	2.1	.7									3.1	5.1
ESE	.2	1.3	.2	.1								1.3	5.1
SE	.3	1.2	.2	.2								2.0	5.6
SSE	.3	.8										1.1	4.1
S	.1	2.7	1.0	.1								2.2	5.8
SSW	.7	3.1	1.3	.2								3.2	5.7
SW	.7	4.6	1.4	.2								6.8	5.8
WSW	.7	4.2	.8									5.7	4.9
W	.7	3.6	.7									4.4	5.3
WNW	.3	2.7	1.0									4.2	5.4
NW	.9	3.4	.6									4.9	4.7
NNW	.3	3.4	.9	.1								4.8	5.5
VARBL													
CALM												7.0	
	6.5	61.8	20.9	2.4	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 899

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72004 STATION MCGHEE TYSON AIRPORT TN 77-82 YEARS 100-2000
 ALL WEATHER CLASS 100-2000
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	6.2	2.1	.1								5.7	5.7
NNE	.3	5.4	2.8	.3								5.4	5.4
NE	1.3	9.1	3.1	.9								14.4	5.7
ENE	1.7	5.2	.5									7.4	4.7
E	1.3	2.2	.2									3.5	4.1
ESE	.4	2.6	.1	.1								1.2	4.7
SE	.8	1.7	.6									2.3	4.3
SSE	.3	1.1										1.3	4.3
S	.2	1.4	.2	.1	.1							2.1	4.3
SSW	.0	1.4	.9									1.1	5.5
SW	1.0	8.3	.7		.1							1.1	8.9
WSW	.9	3.6	.6		.1							5.1	4.9
W	.1	3.1	.8		.1							4.1	5.6
WNW		1.2	.3									1.6	5.2
NW	.3	1.8	.1									2.2	4.7
NNW	.4	1.2	.1									1.8	4.8
VARB													
CALM												27.3	
	11.1	50.0	12.1	1.9	.4							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGRATH TYSOON AIRPORT IN YEARS 73-82 MONTHS SEP
STATION NAME CLASS ALL WEATHER CLASS ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	5.8	2.5	.1								5.4	5.7
NNE	.7	4.6	2.7	.4								5.5	6.2
NE	1.2	7.7	4.3	.8	.7							15.2	6.2
ENE	1.1	5.7	2.1	.3								15.4	5.6
E	.9	2.2	.5	.5								3.6	4.7
ESE	.4	1.4	.2	.7								3.0	4.7
SE	.7	.9	.3	.5								2.7	5.2
SSE	.3	.6	.1	.7								1.2	4.7
S	.3	1.4	.4	.1	.7							2.3	5.3
SSW	.5	1.7	.8	.2								3.1	5.3
SW	.6	2.9	1.5	.4	.7							4.4	6.1
WSW	.6	3.2	2.7	.3	.3							6.2	6.2
W	.5	3.2	1.7	.1	.7							5.5	5.9
WNW	.3	2.7	.8	.1								3.2	5.8
NW	.6	2.2	1.5	.5								3.8	5.8
NNW	.5	2.3	.7	.1								3.6	5.8
VARB													
CALM												14.5	
	9.5	47.3	21.6	2.9	.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCHES TYSO AIRPORT VA YEARS 74-83 607
STATION NAME CLASS HOURS (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.7	2.6	.4								8.5	4.7
NNE	.6	4.3	4.2									11.1	4.4
NE	1.7	7.7	2.7									11.1	5.4
ENE	1.3	4.4	.4									5.7	4.4
E	.5	1.5										2.2	3.0
ESE	.6	.5	.1	.1								1.4	4.4
SE	.2	1.3										1.2	3.4
SSE	.3	.1										.4	3.3
S	.4	1.5	.5		.1							2.4	5.4
SSW	.2	1.7	.3	.1								2.4	5.3
SW	.6	2.2	.6		.1							3.4	5.7
WSW	.6	2.8	1.2	.6								5.3	6.2
W	.4	2.7	1.7	.5								5.4	6.7
WNW	.1	.2	.9	.5								2.4	7.7
NW	.5	1.3	.6									2.4	5.2
NNW	.6	1.3	.3	.1								2.4	5.2
VARBL													
CALM												72.0	
	15.4	38.7	15.6	2.5	.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 607

OFFICE CLIMATOLOGY BRANCH
 AFMPC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION MOBILE NAS AIRPORT IN YEARS 1955 MONTHS 12

STATION NAME MOBILE NAS AIRPORT IN CLASS ALL WEATHER HOURS (L & T) 24

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	6.5	2.5	.2								1.4	1.4
NNE	.0	4.3	3.9	.1								1.2	1.2
NE	2.5	3.5	2.4	.1								1.4	1.4
ENE	2.8	5.3	.2									1.4	1.4
E	.5	2.2										1.4	1.4
ESE	.7	1.1										1.4	1.4
SE	.7	.4										1.4	1.4
SSE	.7	.2										1.4	1.4
S	.1	.5										1.4	1.4
SSW	.5	1.2	.5	.1								1.4	1.4
SW	.6	2.3	1.2	.3	.7							1.4	1.4
WSW	.2	2.0	1.2	.8								1.4	1.4
W	.5	2.2	.5	.1								1.4	1.4
WNW	.1	1.3	.5									1.4	1.4
NW	.7	1.4	.2									1.4	1.4
NNW	.4	.7	.2									1.4	1.4
VARBL												1.4	1.4
CALM												1.4	1.4
	12.7	40.3	13.3	1.7	.7							1.4	1.4

TOTAL NUMBER OF OBSERVATIONS 92

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MC GHEE TYSON AIRPORT IN DATE 7-3-60 MONTH NOV
STATION NAME MC GHEE TYSON AIRPORT IN YEARS 1950-1959
CLASS ALL WEATHER
CONDITION 100-0000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	4.2	.0									5.6	5.1
NNE	.3	4.4	2.5	.2								7.8	6.2
NE	2.4	7.7	4.3	.3								14.5	5.7
ENE	2.4	5.1	.0									5.1	4.4
E	1.5	2.0										2.2	3.0
ESE	.8	1.2		.1								1.2	4.2
SE	.4	.3										.8	4.2
SSE	.2	.1										.2	4.2
S	.5	.3	.2									1.2	4.2
SSW	.7	1.3		.2								1.9	3.4
SW	.3	1.2	.5	.2								3.2	5.9
WSW	.5	2.4	1.2	.8								4.5	6.2
W	.2	1.9	1.6	.8								4.5	7.5
WYW		.9	.9	.2								1.9	7.1
NW	.2	.3	.3									1.5	5.1
NNW	.5	.8	.2	.2								1.7	5.8
VARBL													
CALM												3.6	
	11.0	36.1	11.2	3.7								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 670

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOGHEE TYSON AIRPORT TN STATION NAME 73-82 YEARS 1971
 NORTH
 ALL WEATHER CLASS
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.5	2.2	.5								5.8	5.6
NNE	.8	4.7	3.1	.4								2.0	4.3
NE	1.3	7.4	5.7	1.4								15.8	4.6
ENE	1.4	4.2	2.7	.7	.1							7.0	5.1
E	1.5	2.4	.6	.1								4.0	4.2
ESE	.6	.3		.1								1.5	4.4
SE	.5	.4	.1									1.2	4.1
SSE	.6	.5	.2									1.5	4.2
S	.3	1.1	.3	.1								1.7	5.7
SSW	.7	1.2	1.0	.1								2.1	6.3
SW	.9	1.3	1.7	.8								.2	6.9
WSW	.4	3.0	2.4	1.6								1.3	7.2
W	.3	2.6	2.8	.8	.1							5.6	7.4
WNW	.1	.2	1.3	.1								2.4	7.0
NW	.9	1.8	.5	.1								2.3	5.2
NNW	.1	1.7	.3									2.2	5.4
VARBL													
CALM												1.0	
	11.8	40.5	24.9	6.5	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 330

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MCCHIE TAYLOR AIRPORT IN YEARS 73-80 MONTHS 12

STATION NAME ALL WEATHER CLASS 1200-2400

CONDITION 1200-2400

MOONED (L.S.F.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	4.7	2.8	.8								8.7	6.1
NNE	.3	3.2	2.2	.6								7.1	5.6
NE	.4	4.2	4.8	.9								1.1	7.1
ENE	1.1	3.4	2.7	.3	.1							1.6	6.2
E		1.0	.3	.2								2.4	5.5
ESE		.5	.2									.3	5.7
SE	.3	.5	.2	.1								.2	5.2
SSE	.2	.9		.2								1.1	5.6
S	.6	1.1	.5	.4								.7	5.3
SSW	.1	1.4	2.0	.5								3.1	7.3
SW	.1	2.0	3.7	2.5	.2							2.2	6.7
WSW	.4	3.2	4.3	2.7	.6							11.3	6.9
W	1.0	5.1	2.9	2.3								11.2	7.1
WNW	.1	2.6	1.8	.6								5.2	7.2
NW	.8	3.2	1.5	.5								6.1	6.1
NNW	.6	1.6	1.1									2.3	5.5
VARBL													
CALM												3.7	
	6.9	40.1	21.7	12.4	1.0							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/WHAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 722061 MCGUIRE TYSON AIRPORT IN 72-82 YEARS 007
STATION NAME CLAS ALL WEATHER
HOURS (LST) 1000-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.5	6.2	5.0	.9								12.0	6.8
NNE	.4	3.5	2.8	.4								7.4	6.6
NE	.5	3.7	3.1	.2								7.5	6.7
ENE	.4	3.1	2.4	.3								6.2	6.6
E	.4	.9	1.1									2.3	5.8
ESE		1.2										1.2	4.7
SE	.1	.6	.2	.2								1.2	4.2
SSE	.1	.5	.6									1.3	4.4
S	.2	1.3	1.3	.7								.1	4.7
SSW	.3	1.8	1.9	.4								4.5	6.9
SW	.2	2.2	3.8	1.5	.3							.0	6.7
WSW	.5	2.6	4.2	2.3	.6							10.2	7.3
W	.6	4.4	4.1	1.7								16.0	7.6
WNW	.1	3.1	1.5	.6								5.4	6.6
NW	.9	4.2	1.3	.6	.1							6.2	6.2
NNW	.5	3.2	1.2	.1								.1	5.6
VARBL													
CALM												6.5	
	6.7	42.4	34.7	9.7	1.1							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 928

UNITED STATES CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGRATH TAYSON AIRPORT IN YEARS 71-81 DATE 8-1
 STATION NAME CLASS ALL WEATHER WINDS (U.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.2	4.8	1.8								11.2	7.1
NNE	7	3.3	2.5	.4								6.6	3.2
NE	4	2.3	1.5									5.2	2.2
ENE	1.2	6.1	.9	.1								6.2	5.1
E	1.1	1.3	.5	.1								3.0	4.8
ESE	.2	1.4										1.2	4.1
SE	.2	1.1	.2									1.5	4.8
SSE	.2	.4	.1									1.2	3.1
S	.3	2.4	.2	.1								3.0	3.3
SSW	.5	4.1	1.0	.1								5.7	4.4
SW	1.3	2.0	1.8	.6								6.7	4.1
WSW	.4	2.7	1.2	1.0	.1							5.2	7.2
W	.6	3.1	2.7	.8								7.1	4.7
WNW	.2	1.5	1.7	.1								3.5	6.8
NW	.5	1.8	.5									2.8	5.7
NNW	.2	1.1	.8									3.1	5.7
VARBL													
CALM												15.6	
	9.2	45.8	20.5	4.7	.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/KNAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

723260 MCGHEE TAYSON AIRPORT IN 70-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
COBITION
100-7000
MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.2	2.5	3.9	.5								7.4	7.5
NNE	.3	3.0	2.3	.1								6.4	6.6
NE	1.5	5.2	2.7									1.4	5.5
ENE	.6	4.6	.8									1.2	4.8
E	1.9	2.9										4.4	4.7
ESE	1.7	1.9										2.9	3.9
SE	1.7	1.6	.1									2.7	4.3
SSE	.5	.9		.2								1.5	3.4
S	.5	1.2	.4	.3	.1							2.1	6.2
SSW	1.2	2.2	.4									3.5	4.8
SW		3.7	1.2	.9								5.7	6.9
WSW	1.2	3.0	1.1	1.5								6.9	6.3
W	.9	2.8	1.2	.3								1.2	5.8
WNW	.2	1.6	.2	.4	.1							2.8	6.5
NW	.6	1.3	.2									2.7	4.3
NNW	.1	1.1	.4									1.6	5.7
VARBL													
CALM												27.6	
	11.3	80.9	14.2	3.8	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 932

U.S. AIR FORCE CLIMATE DIVISION
AFSTAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCHES TYSOON AIRPORT IN YEAR 77-81 DATE 207
STATION NAME CLASS ALL WEATHER HOUR (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.6	3.1	.6								2.3	4.3
NNE	.6	4.6	3.1	.3								2.3	4.3
NE	1.4	6.6	3.8	.4								11.7	5.9
ENE	1.4	4.6	3.3	.3								2.5	4.3
E	1.7	2.4	.3	.3								3.3	4.6
ESE	.5	1.4	.7	.7								1.0	4.3
SE	.5	.8	.1	.7								1.4	4.3
SSE	.3	.6	.1	.1								.0	5.9
S	.4	1.2	.4	.2	.7							2.3	5.7
SSW	.4	1.6	.9	.2								3.8	5.9
SW	.5	2.4	1.8	.8	.1							5.7	7.3
WSW	.6	2.9	2.1	1.3	.2							7.1	7.9
W	.6	3.1	2.2	.9	.7							6.2	6.9
WNW	.1	1.6	1.1	.3	.7							3.2	6.8
NW	.6	1.9	.7	.2	.7							3.3	5.6
NNW	.4	1.7	.6	.1								2.5	5.8
VARBL													
CALM												2.3	
	13.0	47.6	21.2	5.5	.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 7430

7
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72-2567 MC GHEE TOWN AIRPORT IN 72-80 YEARS NOV
STATION STATION NAME
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.8	1.7									2.4	4.2
NNE	.4	4.0	3.4	.2								3.4	4.2
NE	1.2	6.1	1.8									11.1	5.1
ENE	1.0	3.9	.7	.3								5.2	5.3
E	1.0	1.2	.1									2.3	3.9
ESE	.1	.7										.3	4.1
SE	1.0	.7	.1	.2								2.0	5.1
SSE	.6	.8	.3	.3	.2							2.2	7.3
S	.4	1.0	.4	.2								.1	4.5
SSW	.4	1.1	.4	.2	.3							2.0	7.2
SW	.7	2.6	2.2	1.2	.3							7.1	7.9
WSW	.6	3.6	2.0	1.0	.1							7.2	7.6
W	.3	2.8	2.2	1.6								6.9	7.8
WNW	.1	1.1	.8	.4	.1							2.6	7.6
NW	.6	1.6	.6	.3								3.2	5.9
NNW	.6	1.2	.2									2.0	4.7
VARBL													
CALM												75.9	
	17.3	39.9	17.0	6.1	1.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

732600 MCGHEE TYSON AIRPORT TN 73-60 NAV
STATION STATION NAME YEARS
ALL WEATHER CLASS 0300-0500
COORDINATE HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.8	1.9	.1								6.7	5.9
NNE	.6	3.7	2.4									6.7	5.1
NE	1.8	6.7	2.0	.1								11.6	5.4
ENE	.9	4.6	1.6	.1								7.1	5.2
E	1.3	1.9	.2									1.9	4.1
ESE	.7	1.1	.1									1.9	3.6
SE	.4	.4		.1								1.0	3.2
SSE	.2	.9			.1							1.2	2.6
S	.3	.7	.7	.3	.1							2.1	2.6
SSW	.1	.9	.4	.8	.1							2.3	3.5
SW	.2	2.7	1.4	1.7	.7							6.7	9.1
WSW	.1	3.6	3.0	1.1	.2							8.7	7.7
W	.1	2.3	1.6	1.2								4.2	8.3
WNW	.7	.4	.7	.2	.1							1.7	7.9
NW	.4	1.8	.3	.3								2.9	6.1
NNW	.9	1.4	.2									2.6	4.3
VARBL													
CALM												29.3	
	9.2	36.4	17.6	6.1	1.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE
CLIMATE DIVISION
AFM 7-10.1 (1-64)
AIR WEATHER SERVICE (AWC)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10226 MCGHEE TYSON AIRPORT IN 75-82 75-82 75-82
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.7	2.1	.2								5.2	5.6
NNE	.5	4.2	3.2	.1								5.2	5.6
NE	1.3	6.6	3.4	.7								11.5	5.8
ENE	.6	4.6	1.2									5.6	5.8
E	1.2	2.3	.3									3.7	4.4
ESE	.2	.9	.1									1.2	4.5
SE	1.2	1.7	.1									1.3	3.8
SSE	.3	.4	.2	.1								1.1	5.7
S	.5	.6	.2	.2	.1							1.4	6.6
SSW	.1	1.7	.8	.2	.1							2.2	7.4
SW	.4	2.6	2.2	.8	.6	.2						6.3	5.5
WSW	.2	2.7	2.7	1.1	.1							1.4	7.5
W	.4	1.9	2.2	1.1								5.7	7.7
WNW		.2	.8	.2	.1	.1						2.3	6.9
NW	.2	1.7	.8	.4								2.3	6.6
NNW	.3	1.1	.2	.2	.1							2.3	6.6
VARBL													
CALM												27.0	
	9.3	36.6	19.8	5.0	1.1	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AIR WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCNEEL TYSON AIRPORT TX YEARS 7-1982 HLY 0000
 STATION NAME MCNEEL TYSON AIRPORT TX CLASS ALL WEATHER HOURS (L.S.T.) 0000-1100
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	2.6	.3								0.3	6.4
NNE	1.0	2.9	2.8	.6								7.2	6.7
NE	1.1	7.8	7.7	.7								10.2	6.7
ENE	1.3	4.4	2.7	.3								5.1	5.7
E	1.2	2.3	.9									4.4	5.4
ESE	.1	1.4	.4									2.7	5.3
SE	.5	.6										1.5	5.7
SSE	.6	.2		.2								1.3	5.7
S	.7	1.4	.4	.6	.1							2.0	7.3
SSW	.2	1.1	.8	.7		.1						2.7	6.6
SW	.6	1.9	2.7	2.4	.2							7.1	6.0
WSW	.4	2.8	3.6	1.9	.2							6.9	6.5
W	.3	1.6	2.9	2.0								6.3	6.2
WNW	.2	.3	1.2	.8								3.1	7.8
NW	.3	1.2	.6	.1								2.2	6.3
NNW	.3	1.4	.8									2.6	5.4
VARBL													
CALM												10.3	
	9.9	34.3	29.3	10.6	.6	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 300

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFMTC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCQUEEN TYSOON AIRPORT TN YEARS 77-80 MONTH ALL
STATION NAME ALL WEATHER CLASS ALL
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.1	1.7	.8								2.2	4.4
NNE	.2	2.7	3.7	.4								2.4	7.4
NE	.7	4.4	6.1	1.1								12.2	7.1
ENE	.4	2.7	1.9	.3								3.3	6.1
E	.7	1.7	.9	.1								1.7	5.4
ESE	.2	.2		.1								1.2	4.4
SE	.2	.3										.7	4.2
SSE		.2	.2									.2	4.2
S		1.1	.7	.8	.2							2.4	9.4
SSW	.1	1.7	1.7	1.2	.6	.1						2.4	9.9
SW		.3	2.7	3.7	.8	.2						2.7	10.5
WSW	.3	1.9	3.8	3.3	.9							10.2	10.7
W	.8	1.6	4.6	3.8	.4							11.2	12.5
WNW	.2	1.7	1.9	1.4								5.4	9.7
NW	.7	1.9	1.2	.3								4.1	6.7
NNW	1.6	2.4	.4	.1								4.1	4.4
VARBL													
CALM												10.3	
	7.5	30.8	31.0	17.6	2.9	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 699

U.S. AIR FORCE
 AIRCRAFT
 AIRCRAFT SERVICE/NAAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORE TISON AIRPORT 14 YEARS 1955
 STATION NAME ALL CLASS ALL
 CONDITION ALL
 NUMBER (L.S.T.) 1000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.2	2.6	.7								1.6	1.6
NNE	.4	2.7	2.8	.6								1.7	1.6
NE	1.6	4.4	6.1	.6								1.7	1.6
ENE	.3	2.7	1.4	.7								1.6	1.6
E	.4	1.7	.8									1.6	1.6
ESE	.7	.5	.1									1.6	1.6
SE	.1	.4	.1									1.6	1.6
SSE		.4	.1									1.6	1.6
S	.4	.5	.8	.1								1.6	1.6
SSW	.1	1.7	1.6	.3	.1							1.6	1.6
SW	.2	1.6	4.4	2.8	1.2							1.6	1.6
WSW	.6	2.7	5.0	3.0	.6	.7						1.6	1.6
W	.4	2.7	4.3	2.2	.6							1.6	1.6
WNW	.7	2.3	2.6	1.4								1.6	1.6
NW	1.7	2.1	.7	.6	.2							1.6	1.6
NNW	.8	1.4	.9									1.6	1.6
VARBL												1.6	1.6
CALM												1.6	1.6
	5.1	30.0	34.2	12.1	2.6							1.6	1.6

TOTAL NUMBER OF OBSERVATIONS 1000

U.S. AIR FORCE
AFETAC
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCQUEE TAYSON AIRPORT IN YEARS 7-7

STATION NAME ALL WEATHER CLASS ALL WEATHER MONTH ALL

CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.4	3.4	.1									
NNE	.3	3.1	2.7	.6									
NE	.3	6.9	7.5	.2									
ENE	.5	4.3	1.7	.1									
E	1.2	2.3	.7	.1									
ESE	.7	.7											
SE	.2	.9		.2									
SSE	.2	.7	.2	.7									
S	.4	1.3	.7	.6	.1								
SSW	.7	1.3	.9	.4									
SW	.7	3.6	7.3	1.7									
WSW	.7	3.9	2.6	.9									
W	.6	3.4	2.9	1.4									
WNW	.7	2.8	2.9	1.1									
NW	.7	1.2	.9	.2									
NNW	.5	1.6	.7	.1									
VARBL													
CALM													
	9.3	47.5	25.2	7.8	.1								

TOTAL NUMBER OF OBSERVATIONS 7

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCQUEEN TOWN AIRPORT TN STATION NAME 77-81 YEARS 1960-1961
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.6	2.6	.3								2.8	1.4
NNE	.6	4.3	4.0	.2	.1							3.3	1.6
NE	1.1	5.0	2.6									3.3	1.6
ENE	.6	3.1	1.0	.2								4.1	1.3
E	1.1	1.4										2.4	1.4
ESE	.4	.4	.1									1.0	1.5
SE	1.3	.1	.2	.2								2.4	4.6
SSE	.6	1.3		.2								.3	5.1
S	.2	1.6		.2								.3	5.3
SSW	.4	1.3	1.1	.3	.1							.3	1.1
SW	.2	2.7	1.8	1.4	.6							5.7	8.5
WSW	.2	4.7	2.6	.4								7.2	1.3
W	.5	2.3	2.7	1.1		.1						6.0	2.6
WNW	.2	1.3	1.1	.3	.1							5.1	2.6
NW	.2	2.3	.7	.2								3.1	6.3
NNW	.3	1.4	.2		.1							1.1	5.5
VARBL													
CALM												24.3	
	9.6	37.0	21.7	5.4	1.0	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 807

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGHEE TISON AIRPORT IN YEARS 1961 MONTH 1
STATION NAME ALL WEATHER CLASS 1
CONDITION 1
NOBS (L.S.T.) 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.5	2.3	.3								.2	1.5
NNE	.5	3.6	3.2	.3	.5							.2	1.5
NE	1.2	4.2	4.2	.4								1.2	1.5
ENE	.6	3.9	1.4	.2								.1	1.5
E	.2	1.9	.4	.7								.1	1.5
ESE	.7	.7	.1	.7								.1	1.5
SE	.9	.3	.1	.1								.1	1.5
SSE	.7	.5	.2	.2	.7							.1	1.5
S	.7	1.1	.4	.5	.1							.2	1.5
SSW	.7	1.2	.9	.5	.2							.1	1.5
SW	.4	2.5	2.5	1.2	.5	.1						.6	1.5
WSW	.4	3.2	3.1	1.6	.3	.7						.2	1.5
W	.4	2.3	2.2	1.8	.1	.7						.6	1.5
WNW	.3	1.3	1.5	.8	.1	.7						.7	1.5
NW	.5	1.7	.7	.3	.7							.2	1.5
NNW	.7	1.5	.5	.1	.2							.7	1.5
VARBL													
CALM												10.3	
	9.1	35.9	24.3	8.9	1.3	.1						100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 7196

U.S. AIR FORCE
 METEOROLOGICAL
 WEATHER SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORE TULSA AIRPORT IN YEARS 71-80 DUTY 012-0000
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	6.1	3.3	.8								1.2	6.0
NNE	.5	5.5	2.9	.3								2.4	5.1
NE	1.2	6.2	1.9	.3								5.4	5.6
ENE	.2	5.3	.5									1.7	4.7
E	.7	1.5	.1									2.3	4.1
ESE	.2	.6										.2	4.1
SE	.7	.3	.2									.9	4.6
SSE	.4	.6	.2									1.1	4.6
S	.1	1.1	.3	.1	.1	.1						1.4	7.5
SSW	.2	1.5	.2	.3	.3							2.4	7.6
SW	.5	2.6	1.8	1.1	.6							1.7	8.1
WSW	.5	4.1	3.4	.5	.1							8.7	6.9
W	.4	3.2	3.4	1.4		.1						2.4	7.7
WNW	.4	1.6	1.7	1.0	.2							4.9	6.1
NW	.4	1.7	1.2	.1	.1							3.5	6.2
NNW	.3	1.7	.9									2.9	5.8
VARBL													
CALM												15.6	
	8.0	43.7	22.2	5.0	1.5	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 410

JOINT CLIMATOLOGY BRANCH
AFETAC
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MC GHEE TUSSEN AIRPORT IN YEARS 7-8 MONTHS 12
STATION NAME ALL FEATURES CLASS ALL FEATURES
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.5	3.5	.8								1.2	6.6
NNE	1.2	4.3	2.8	.6								.7	1.5
NE	1.6	7.7	2.9	.7								11.7	5.3
ENE	1.1	4.5	.9	.2								.7	1.1
E	1.7	1.5	.1									.2	.4
ESE	.6	1.4	.1									.2	.4
SE	.4	1.5										.2	.4
SSE	.1	.1	.1									.3	.4
S	.6	.5	.5	.2	.7							.2	1.2
SSW	.3	1.9	.2	.2	.7	.1						.3	2.3
SW	.5	2.4	1.3	1.6	.3	.2						.5	4.8
WSW	.7	3.3	3.1	1.3	.7							.7	7.3
W	.9	3.2	3.4	1.6								.9	7.1
WNW	.3	.5	1.3	.8	.2							.3	2.4
NW	.1	1.3	.3	.2								.1	.3
NNW	.9	1.5	.9									.2	5.3
VARBL													
CALM												.1	
	11.8	47.0	26.9	7.8	1.1	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATE CENTER
 WASHINGTON, D.C.
 AIRCRAFT SERVICE/FAO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCEE TILSON AIRPORT IN YEARS 1962 MONTH DEC
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.6	2.9	.5	.1							1.5	4.4
NNE	.5	5.3	2.7	.4								1.5	5.1
NE	1.3	7.2	3.7	.3								1.5	5.9
ENE	.1	5.6	1.1									1.5	5.8
E	.9	2.2	.2	.1								1.3	4.5
ESE	.4	1.1	.2									1.7	4.5
SE	.2	.3		.1								.1	4.7
SSE	.3	.3										.1	3.7
S	.2	1.1	.2	.1								1.5	3.9
SSW	.4	1.5	.5	.1								2.1	5.5
SW	.5	2.6	1.9	1.6	.9							2.5	5.3
WSW	.4	1.1	3.2	1.1	.1							2.8	7.8
W	.4	3.2	2.7	1.5	.1							5.5	7.5
WNW	.1	1.1	1.4	.5	.1							3.7	7.8
NW	.5	1.2	1.1	.1								2.8	6.2
NNW	.2	1.1	1.1	.2								2.6	6.7
VARB													
CALM												1.5	
	9.2	43.7	42.7	6.0	1.2	.1						15.9	6.3

TOTAL NUMBER OF OBSERVATIONS 030

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72726 STATION MCGHEE TYSON AIRPORT TN 71-65 YEARS 0-5 MONTHS
ALL WEATHER CLASS 0-5-100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.9	3.0	.5								8.3	6.5
NNE	.3	3.1	2.9	.8								7.1	6.9
NE	1.2	7.7	5.4	1.7								10.3	6.6
ENE	1.7	4.4	2.2	.4								7.7	6.5
E	1.7	2.7	.8	.2								4.0	6.2
ESE	.3	.7	.2									1.5	4.4
SE	.6	.3	.1	.1								1.6	4.3
SSE	.3	.2		.1								.6	5.3
S	.2	1.2	.2	.4	.1							1.9	7.8
SSW	.2	1.2	.4	1.7								2.8	6.2
SW	.4	1.7	1.9	2.6	.6	.1						7.4	10.1
WSW	.2	2.2	3.4	3.1	.2	.1						6.2	9.7
W	.9	2.2	1.9	2.2	.6							7.7	8.9
WNW	.2	1.6	1.2	.6								3.9	7.6
NW	.2	1.5	1.7	.3								3.1	6.8
NNW	.2	1.3	.9	.3								2.7	6.4
VARBL													
CALM												14.3	
	8.7	34.7	25.5	14.8	1.6	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 97

OFFICIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AMC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORE TISON AIRPORT VA YEARS 70-80 DATE 051
STATION NAME MOORE TISON AIRPORT VA
CLASS ALL WEATHER
CONDITION 1000-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.8	2.3	.4								7.7	0.7
NNE	.9	2.7	2.2	.5								5.3	0.7
NE	.6	4.5	5.2	.8								13.2	0.2
NNE	.9	2.3	1.8	.4								4.5	0.4
E	.3	1.4	.3									2.2	4.0
ESE	.0	1.2	.1									1.0	4.5
SE	.5	.6	.2	.1								1.6	4.3
SSE		.4		.1	.1							.7	7.7
S	.3	1.7	.2	1.3								3.0	0.4
SSW	.2	1.2	1.2	.9	.1	.1						3.7	0.9
SW	.5	1.7	2.9	4.6	1.5	.1						13.0	11.1
WSW	.7	2.5	4.2	5.4	1.2							13.0	1.0
W	.4	3.1	2.9	2.8	.5							10.0	0.8
WNW	.3	1.7	1.5	1.3	.1							7.5	0.3
NW	.5	1.7	1.4	.3								4.2	0.6
NNW	.5	1.4	1.1	.8	.1							3.6	0.9
VARBL													
CALM												10.2	
	7.5	31.5	27.4	10.4	3.7	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCGRYRE TYSOY AIRPORT IN YEAR 1982 MONTH DEC
STATION NAME ALL WEATHER CLASS 1150-1700
CONDITION NOVUS (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	4.1	.9								4.7	0.7
NNE	.6	2.7	2.2									2.3	0.1
NE	.9	4.7	4.7	.5								1.2	0.5
ENE	.4	1.4	1.9	.4								4.2	0.7
E	.2	1.3	.6	.1								1.2	1.2
ESE	.7	.4	.2		.1							1.2	0.3
SE	.2	.5	.2									1.2	1.1
SSE		.1		.1								.1	2.7
S	.5	1.2	.6	.9	.1							3.2	0.1
SSW	.4	1.3	1.4	1.4	.1							4.3	2.6
SW	.3	1.1	2.6	3.1	.9	.1						2.8	1.0
WSW		3.2	5.6	5.9	.9							15.6	10.1
W	.4	3.7	4.1	3.9	.2							12.3	9.1
WNW	.1	1.0	1.1	1.1	.1							3.3	9.5
NW	.3	1.9	1.2	.8								5.2	6.8
NNW	.4	1.9	1.2	.2								2.6	5.9
VARBL													
CALM												10.7	
	5.3	30.6	31.7	19.2	2.8	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 70026 HOGHEE TYSON AIRPORT IN 70-80 YEARS 1980-1980
STATION NAME ALL WEATHER CLASS 1980-1980
CONDITION 1980-1980

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.1	2.8	1.8								9.6	2.3
NNE	.2	3.7	1.8	.8								5.1	4.6
NE	.9	8.1	2.2	.2								11.7	5.6
ENE	.2	4.5	1.0									5.7	4.7
E	.9	1.6	.3									2.7	4.3
ESE	.4	.9										1.3	4.0
SE	.3	.9										1.1	4.3
SSE	.3	.5	.2	.3								1.3	6.7
S	.4	1.0	.4	.2								2.0	5.0
SSW	.0	1.5	.8	.8	.3							3.5	6.2
SW	.5	3.7	2.8	1.8	.4							9.8	6.0
WSW	1.6	5.3	3.3	1.2	.3							11.7	6.8
W	.6	3.8	8.5	1.5								10.4	7.3
WNW	.1	1.7	1.8	2.2								5.8	9.2
NW	.8	7.5	.9	.5								3.7	6.6
NNW	.8	1.2	1.2	.1								3.2	6.9
VARBL													
CALM												12.4	
	9.2	43.7	21.4	10.2	1.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCHES TYSER AIRPORT IN YEAR 71-82 MONTH 11
STATION NAME CLASS ALL WEATHER HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	5.5	3.3	1.5	.2							1.2	4.1
NNE	.2	3.5	1.8	.2								.5	2.4
NE	.2	7.1	2.7	.2								1.4	3.4
ENE	.7	4.2	.6									.5	4.5
E	.2	1.4	.2									.2	4.5
ESE	.2	1.0										.2	4.1
SE	.9	1.1	.1	.1								.2	3.7
SSE	.5	1.1		.1								.1	4.1
S	.6	1.1	.6	.2	.1							.2	3.4
SSW	.6	1.7	.9	.1								.2	3.4
SW	.5	1.8	2.3	1.6	.5							.6	3.3
WSW	.5	4.1	4.1	1.7	.2							.2	2.2
W	.3	2.6	4.7	1.7								.8	2.4
WNW	.2	1.3	1.2	1.8	.2							.7	3.5
NW	.4	1.5	1.1	.8	.1							.7	2.6
NNW	.5	1.6	.5	.2								.3	2.9
VARBL													
CALM												17.7	
	3.7	41.4	23.8	8.3	1.0							15.0	

TOTAL NUMBER OF OBSERVATIONS 1000

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MCGRUE TYSON AIRPORT TN YEARS 73-74 MONTHS JUL
STATION NAME MCGRUE TYSON AIRPORT TN CLASS ALL WEATHER HOURS (L.S.T.) 24
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.4	3.2	.6	.4							3.3	4.4
NNE	.5	3.6	2.4	.4								1.7	3.3
NE	1.7	5.5	3.5	.6								1.1	3.3
ENE	.7	4.1	1.7	.7								1.2	3.3
E	.7	1.7	.3	.1								.3	4.4
ESE	.5	.3	.1									1.7	4.4
SE	.3	.7	.1	.1								1.4	4.4
SSE	.7	.4	.1	.1								.3	5.4
S	.4	1.7	.4	.4	.1							2.3	7.2
SSW	.7	1.4	.7	.6	.1							.2	7.2
SW	.3	2.3	2.2	2.2	.7	.1						.3	8.4
WSW	.6	3.5	3.6	2.4	.4							1.7	8.5
W	.5	3.1	3.9	2.7	.2							.3	5.1
WNW	.7	1.4	1.3	1.2	.1							.4	5.7
NW	.4	1.5	1.7	.8								.4	6.6
NNW	.5	1.5	.1	.2								.3	6.1
VARBL													
CALM												1.7	
	8.6	28.7	24.7	11.5	3.7	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 7430

AIRPORT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORE TUSON AIRPORT IN YEARS 7-80 MONTH ALL
STATION NAME MOORE TUSON AIRPORT IN CLASS ALL WEATHER HOURS (L.S.T.) 11
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.2	.4	.2							.2	.4
NNE	.7	3.4	2.5	.4	.1							.2	.4
NE	1.1	5.3	3.4	.6	.1							.2	.4
ENE	.2	3.7	1.4	.2	.1		.1					.2	.4
E	.7	1.3	.4	.1	.1							.2	.4
ESE	.3	.9	.2	.5	.2	.1						.2	.4
SE	.4	.6	.2	.1	.2	.1						.2	.4
SSE	.7	.6	.2	.2	.2	.1						.2	.4
S	.4	1.4	.6	.7	.1	.1						.2	.4
SSW	.4	1.9	1.2	.6	.1	.1	.1					.2	.4
SW	.6	3.3	2.7	1.7	.4	.1	.1					.2	.4
WSW	.6	3.0	2.4	1.7	.3	.1	.1					.2	.4
W	.6	1.4	3.2	1.4	.2	.1	.1					.2	.4
WNW	.3	1.7	1.4	.7	.1	.1						.2	.4
NW	.5	2.2	1.7	.7	.1	.1						.2	.4
NNW	.4	1.7	.6	.1	.1							.2	.4
VARBL												.1	.4
CALM												.1	.4
	6.5	4.7	25.7	8.6	1.3	.2	.1					1.0	.4

TOTAL NUMBER OF OBSERVATIONS 7614

NAVY CLIMATE BRANCH
 WASHINGTON
 AIR WEATHER SERVICE / 140

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MC GREGG T/SON AIRPORT TA YEAR 1960 MONTH 1

CLIMATE INDIAN

CLAS DIS 10 145 FT 2/ 155V 1/2 MI DE WD

CONDITION AN /OP 455V 1/2 IN 2-1/2 MI 2/ 10 100 FT 0 WIDE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.2	3.2	.6								7.7	
NNE	.7	5.6	2.4	.6								1.3	
NE	1.2	7.7	4.1	.8								1.3	
ENE	1.1	4.4	1.9	.7								1.3	
E	.2	1.9	.7	.1								1.3	
ESE	.4	1.1	.7	.5								1.3	
SE	.4	.5	.7	.7								1.3	
SSE	.3	.5	.7	.7								1.3	
S	.3	1.7	.7	.1								1.3	5.6
SSW	.3	1.5	.7	.7								1.3	1.2
SW	.3	2.7	1.7	.8	.1							1.3	2.3
WSW	.3	3.1	2.7	1.7	.7							1.3	7.7
W	.3	3.1	2.3	1.2	.2							1.3	1.7
WNW	.4	1.7	1.1	.4	.1							1.3	7.1
NW	.4	2.1	.2	.2	.7							1.3	1.3
NNW	.4	1.9	.8	.1	.2							1.3	5.6
VARBL													
CALM												17.0	
	2.8	41.5	23.6	6.7	.7	.1						1.3	5.6

TOTAL NUMBER OF OBSERVATIONS 162

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥ 10 mi visibility category should be used with great caution.

(continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	≥ 1	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72267 MCGHEE TYSON AIRPORT TX

74-87

1A1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

333-1122

CEILING FEET	VISIBILITY: STATUTE MILES																			
	OR (HUNDREDS OF METERS)																			
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
20000	31.5	35.2	35.9	36.3	37.2	37.3	37.5	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
18000	34.1	38.1	38.8	39.4	41.2	40.2	40.3	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
16000	34.1	38.1	38.8	39.4	40.2	40.2	40.3	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
14000	34.2	38.2	38.9	39.5	40.3	40.3	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
12000	35.6	39.6	40.3	40.9	41.7	41.7	41.8	42.0	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
10000	37.0	41.0	41.7	42.4	43.2	43.2	43.3	43.5	43.5	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
9000	37.8	41.9	42.7	43.3	44.2	44.2	44.4	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
8000	39.9	44.3	45.1	45.9	46.8	46.8	47.7	47.2	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
7000	41.1	45.6	46.3	47.2	48.1	48.1	48.3	48.5	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
6000	43.7	48.5	49.2	50.1	51.0	51.0	51.2	51.4	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
5000	44.5	49.9	50.9	51.8	52.7	52.7	52.9	53.1	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
4500	47.1	53.3	54.3	55.4	56.3	56.3	56.7	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
4000	48.8	56.1	57.1	58.6	59.6	59.7	60.0	60.2	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
3500	50.6	58.7	59.7	61.2	62.2	62.3	62.6	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
3000	52.6	61.5	62.7	64.5	65.5	65.7	66.2	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2500	54.6	64.7	65.9	68.2	69.1	69.4	70.1	70.2	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
2000	56.1	67.4	68.7	71.5	72.5	72.7	73.4	73.8	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1800	57.2	70.0	71.4	74.7	75.7	75.9	76.8	77.1	77.1	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
1600	58.1	71.5	72.9	76.6	77.5	77.8	78.9	79.2	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
1400	58.5	72.8	74.3	78.0	79.0	79.4	80.4	80.8	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1200	58.7	73.4	74.9	79.2	80.4	80.8	81.9	82.4	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
1000	58.8	74.1	75.6	80.0	81.4	81.7	83.7	83.7	83.7	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
900	59.0	75.2	76.8	81.2	82.9	83.4	84.7	85.4	85.4	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
800	59.5	75.8	77.4	81.8	83.7	84.2	85.6	86.3	86.3	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
700	59.5	76.5	78.3	82.9	84.9	85.5	87.7	87.7	87.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
600	59.5	76.6	78.5	83.1	85.3	85.8	87.5	88.3	88.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
500	59.5	76.7	78.8	83.4	85.8	86.3	88.6	89.6	89.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
400	59.5	76.9	79.1	84.1	86.8	87.3	91.2	91.6	91.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
300	59.5	76.9	79.1	84.2	87.2	87.7	90.8	92.7	92.8	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
200	59.5	76.9	79.1	84.3	87.3	88.0	91.1	93.0	93.1	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
100	59.5	76.9	79.1	84.3	87.4	88.1	91.4	93.3	93.7	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
0	59.5	76.9	79.1	84.3	87.4	88.1	91.4	93.3	93.7	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721260 MCGHEE TYSON AIRPORT TN

74-87

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7212-0572

CEILING FEET	VISIBILITY: STATUTE MILES															
	OR (IN METERS)															
	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	5
20000	27.2	30.4	31.0	32.0	33.0	33.7	33.4	33.9	33.9	34.1	34.1	34.1	34.5	34.5	34.5	34.6
18000	29.2	33.5	34.3	35.4	36.5	36.5	36.9	37.3	37.3	37.5	37.5	37.5	38.0	38.0	38.0	38.3
16000	29.6	33.9	34.6	35.7	36.8	36.8	37.0	37.6	37.6	37.8	37.8	37.8	38.3	38.3	38.3	38.6
14000	29.6	33.9	34.6	35.7	36.8	36.8	37.0	37.6	37.6	37.8	37.8	37.8	38.3	38.3	38.3	38.6
12000	30.5	34.8	35.6	36.6	37.8	37.8	38.3	38.7	38.7	38.9	38.9	38.9	39.4	39.4	39.4	39.7
10000	31.3	35.9	36.7	38.2	39.4	39.4	39.8	40.2	40.2	40.4	40.4	40.4	40.9	40.9	40.9	41.2
8000	31.8	36.6	37.3	38.9	40.1	40.1	40.5	41.1	41.1	41.3	41.3	41.3	41.7	41.7	41.7	42.0
6000	34.9	39.9	40.8	42.4	43.5	43.5	44.0	44.5	44.5	44.7	44.7	44.7	45.2	45.2	45.2	45.5
4000	35.8	41.9	41.7	43.3	44.5	44.5	44.9	45.5	45.5	45.7	45.7	45.7	46.1	46.1	46.1	46.5
2000	38.7	43.1	44.0	45.6	46.8	46.8	47.2	47.7	47.7	48.0	48.0	48.0	48.4	48.4	48.4	48.7
1000	39.9	45.5	46.7	48.4	49.6	49.6	50.0	50.5	50.5	51.0	51.0	51.0	51.4	51.4	51.4	51.7
500	41.7	48.0	49.1	51.0	52.2	52.2	52.6	53.1	53.1	53.5	53.5	53.5	54.0	54.0	54.0	54.3
200	43.3	50.2	51.6	53.5	54.7	54.7	55.3	55.8	55.8	56.3	56.3	56.3	56.8	56.8	56.8	57.2
100	44.7	51.8	53.3	55.3	56.5	56.5	57.1	57.6	57.6	58.2	58.2	58.2	58.6	58.6	58.6	59.0
50	46.8	55.1	56.6	59.2	60.4	60.4	61.2	61.7	61.7	62.3	62.3	62.3	62.7	62.7	62.7	63.1
25	48.9	59.0	60.6	63.9	65.2	65.2	66.1	66.7	66.7	67.5	67.5	67.5	68.0	68.0	68.0	68.4
15	51.9	64.2	66.0	70.1	71.4	71.4	73.0	73.5	73.5	74.4	74.4	74.4	74.8	74.8	74.8	75.3
10	53.5	67.4	69.4	73.8	75.1	75.1	76.9	77.4	77.4	78.3	78.3	78.3	78.7	78.7	78.7	79.2
5	53.8	68.3	70.2	75.1	76.6	76.6	78.4	79.0	79.0	79.9	79.9	79.9	80.3	80.3	80.3	80.9
2	54.5	69.6	71.6	76.6	78.2	78.2	80.1	80.9	80.9	81.8	81.8	81.8	82.3	82.3	82.3	82.9
1	55.5	71.2	73.3	78.4	80.1	80.1	82.0	82.8	82.8	83.8	83.8	83.8	84.2	84.2	84.2	84.9
0	55.9	72.2	74.4	79.7	81.5	81.5	83.8	84.6	84.6	85.6	85.6	85.6	86.0	86.0	86.0	86.7
900	56.3	73.0	75.4	80.8	82.6	82.6	85.3	86.5	86.5	87.4	87.4	87.4	87.8	87.8	87.8	88.5
800	56.3	73.5	75.9	81.3	83.1	83.1	85.8	87.1	87.1	88.1	88.1	88.1	88.5	88.5	88.5	89.1
700	56.3	74.0	76.5	82.0	84.0	84.0	87.0	88.3	88.3	89.2	89.2	89.2	89.8	89.8	89.8	90.4
600	56.3	74.3	76.8	82.4	84.3	84.3	87.4	88.7	88.7	89.7	89.7	89.7	90.2	90.2	90.2	90.9
500	56.3	74.4	77.0	82.6	84.7	84.7	88.2	89.5	89.5	90.5	90.5	90.5	91.2	91.2	91.2	91.8
400	56.3	74.6	77.2	82.9	85.4	85.4	89.4	91.1	91.1	92.5	92.5	92.5	93.4	93.4	93.4	94.2
300	56.3	74.7	77.3	83.1	86.0	86.0	90.6	92.6	92.6	94.8	94.8	94.8	96.2	96.2	96.2	97.0
200	56.3	74.7	77.3	83.2	86.1	86.1	91.7	93.1	93.1	95.7	95.8	95.8	97.1	97.1	97.1	98.5
100	56.3	74.7	77.3	83.2	86.1	86.1	91.3	93.5	93.5	96.1	96.5	96.5	98.0	98.0	98.0	99.8
0	56.3	74.7	77.3	83.2	86.1	86.1	91.3	93.5	93.5	96.1	96.5	96.5	98.0	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN

74-87

145-2000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
27000	24.8	27.7	28.4	29.3	30.1	30.8	31.2	31.3	31.6	31.9	31.9	32.0	32.0	32.1	32.3	32.3
26000	27.0	30.1	31.1	32.2	33.2	33.3	34.7	34.4	34.6	34.9	35.1	35.1	35.3	35.3	35.4	35.6
25000	27.0	30.1	31.1	32.2	33.2	33.3	34.0	34.4	34.6	34.9	35.1	35.1	35.3	35.3	35.4	35.6
24000	27.0	30.1	31.1	32.2	33.2	33.3	34.0	34.4	34.6	34.9	35.1	35.2	35.2	35.5	35.5	35.6
23000	27.4	30.6	31.6	32.7	33.7	33.8	34.7	35.1	35.2	35.6	35.8	35.8	36.2	36.2	36.3	36.5
22000	29.0	32.2	33.3	34.8	35.8	36.0	36.8	37.2	37.4	37.8	38.0	38.0	38.3	38.3	38.4	38.6
21000	30.5	33.6	34.9	36.5	37.6	37.7	38.5	39.1	39.2	39.6	39.8	39.8	40.2	40.2	40.3	40.5
20000	32.2	36.0	37.4	39.2	40.3	40.4	41.2	41.5	42.0	42.4	42.6	42.6	42.9	42.9	43.1	43.3
19000	33.4	37.6	39.0	40.8	41.9	42.0	42.8	43.5	43.6	44.0	44.2	44.2	44.6	44.6	44.7	44.9
18000	35.4	39.7	41.3	43.2	44.5	44.6	45.3	46.2	46.3	46.7	46.9	46.9	47.3	47.3	47.4	47.6
17000	36.6	41.0	42.7	44.7	46.2	46.3	47.3	47.9	48.0	48.4	48.7	48.7	49.0	49.0	49.1	49.3
16000	37.9	43.1	45.0	47.0	48.5	48.7	49.6	50.3	50.4	50.8	51.0	51.0	51.3	51.3	51.5	51.7
15000	40.3	46.2	48.3	50.5	52.0	52.2	53.3	53.9	54.0	54.6	54.8	54.8	55.1	55.1	55.2	55.4
14000	41.4	48.1	50.4	52.9	54.4	54.6	55.7	56.3	56.4	56.9	57.2	57.2	57.5	57.5	57.6	57.8
13000	42.7	50.9	53.2	56.0	57.5	57.7	58.9	59.5	59.6	60.2	60.4	60.4	60.7	60.7	60.8	61.0
12000	45.2	54.8	57.1	60.2	61.7	62.0	63.3	63.9	64.0	64.6	64.8	64.8	65.1	65.1	65.2	65.4
11000	48.0	60.2	62.5	66.7	68.2	68.6	70.7	70.7	70.5	71.5	71.7	71.7	72.1	72.1	72.3	72.6
10000	50.2	63.8	66.4	70.9	72.6	72.9	74.3	75.1	75.2	76.0	76.2	76.2	76.7	76.7	77.1	77.3
9000	50.4	65.0	68.1	73.0	74.7	75.0	76.5	77.5	77.6	78.4	78.7	78.7	79.2	79.2	79.5	79.8
8000	50.6	65.7	68.8	74.0	75.7	76.0	77.5	78.5	78.6	79.4	79.8	79.8	80.4	80.4	80.8	81.1
7000	52.0	67.4	70.6	76.0	77.9	78.5	80.1	81.2	81.3	82.6	82.9	82.9	83.7	83.7	84.2	84.4
6000	52.7	68.5	71.9	77.3	79.3	80.0	81.9	83.3	83.4	84.7	85.0	85.0	86.1	86.1	86.5	86.8
5000	52.9	68.9	72.4	77.9	81.2	80.8	82.3	84.4	84.5	85.8	86.1	86.1	87.2	87.2	87.7	87.9
4000	52.9	69.2	72.9	78.6	81.9	81.6	83.5	85.1	85.3	86.8	87.1	87.1	88.2	88.2	88.7	88.9
3000	52.9	69.3	73.0	78.7	81.3	82.0	84.7	85.6	85.7	87.3	87.6	87.6	88.7	88.7	89.2	89.5
2000	52.9	69.8	73.5	79.7	82.2	83.0	85.3	86.9	87.2	88.6	89.0	89.0	90.1	90.1	90.6	90.9
1000	52.9	70.0	73.7	80.0	82.9	83.6	86.7	87.7	87.8	89.6	90.0	90.0	91.2	91.2	91.7	91.9
500	53.0	70.2	74.3	81.1	84.1	84.8	87.3	89.0	89.1	91.3	92.0	92.0	93.2	93.2	93.8	94.0
200	53.0	70.2	74.4	81.4	84.5	85.3	88.6	90.5	90.6	93.2	94.2	94.2	95.5	95.5	96.3	96.6
100	53.0	70.2	74.4	81.5	84.6	85.4	88.7	90.7	90.9	93.5	94.7	94.7	96.0	96.0	97.1	97.8
50	53.0	70.2	74.4	81.5	84.6	85.4	88.8	91.1	91.2	94.1	95.3	95.3	97.1	97.1	98.4	99.8
0	53.0	70.2	74.4	81.5	84.6	85.4	88.8	91.1	91.2	94.1	95.3	95.3	97.1	97.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727260 MCGHEE TYSON AIRPORT TN
STATION NAME

74-62

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-1100
30-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	GE90	GE80	GE70	GE60	GE50	GE40	GE30	GE24	GE20	GE16	GE12	GE10	GE8	GE6	GE4	GE2
20000	27.3	26.4	27.1	27.9	29.1	29.2	30.2	30.5	30.5	30.7	30.7	30.7	30.7	30.7	30.9	30.9
18000	27.1	31.1	32.1	33.2	34.7	34.8	36.2	36.4	36.4	36.6	36.7	36.7	36.8	36.8	37.0	37.0
16000	27.1	31.1	32.1	33.5	35.0	35.1	36.5	36.7	36.7	36.9	37.0	37.0	37.2	37.2	37.5	37.5
14000	26.1	32.2	33.2	34.7	36.2	36.3	37.7	37.9	37.9	38.1	38.2	38.2	38.4	38.4	38.6	38.6
12000	25.8	34.0	35.1	36.7	38.2	38.3	39.7	39.9	39.9	40.2	40.3	40.3	40.5	40.5	40.7	40.7
10000	30.8	35.0	36.2	37.8	39.4	39.5	41.1	41.3	41.3	41.6	41.7	41.7	41.9	41.9	42.1	42.1
8000	31.8	36.1	37.2	39.1	40.7	40.8	42.4	42.6	42.6	42.8	42.9	42.9	43.2	43.2	43.4	43.4
6000	32.5	36.9	38.1	40.0	41.7	41.8	43.4	43.6	43.6	43.8	43.9	43.9	44.1	44.1	44.3	44.3
5000	35.0	39.5	40.0	42.8	44.5	44.6	46.2	46.4	46.4	46.6	46.7	46.7	46.9	46.9	47.1	47.1
4500	36.7	41.3	42.9	45.2	46.9	47.0	48.7	48.9	48.9	49.1	49.2	49.2	49.4	49.4	49.6	49.6
4000	36.8	43.5	45.2	47.6	49.5	49.8	51.7	52.0	52.0	52.2	52.3	52.3	52.5	52.5	52.7	52.7
3500	40.7	45.7	47.7	50.4	52.2	52.5	54.4	54.7	54.7	54.9	55.0	55.0	55.2	55.2	55.5	55.5
3000	41.8	47.3	49.3	52.1	54.0	54.5	56.4	56.8	56.8	57.1	57.2	57.2	57.4	57.4	57.8	57.8
2500	43.8	50.7	52.9	55.7	58.0	58.4	60.4	60.9	60.9	61.1	61.2	61.2	61.5	61.5	61.9	61.9
2000	45.5	53.5	55.8	59.1	61.6	62.3	64.5	65.2	65.2	65.4	65.6	65.6	65.8	65.8	66.2	66.2
1800	47.7	57.3	59.5	63.4	66.2	67.0	69.5	70.4	70.4	70.6	70.7	70.7	70.9	70.9	71.4	71.4
1600	49.4	61.4	63.3	68.8	72.1	73.1	76.0	77.5	77.5	77.7	77.8	77.8	78.0	78.0	78.5	78.5
1400	49.9	62.5	65.0	70.3	73.7	74.7	77.8	79.3	79.3	79.8	79.9	79.9	80.3	80.3	80.7	80.7
1200	50.5	63.4	66.2	72.0	75.8	77.0	80.2	81.7	81.7	82.3	82.8	82.8	83.3	83.3	83.7	83.7
1000	50.6	64.3	67.3	73.5	77.7	79.1	82.5	84.1	84.1	84.7	85.1	85.1	85.7	85.7	86.1	86.1
900	50.8	64.8	67.9	74.4	78.8	80.3	84.3	85.9	85.9	86.7	87.2	87.2	87.8	87.8	88.3	88.3
800	50.9	65.1	68.2	74.7	79.1	80.6	84.7	86.3	86.3	87.1	87.6	87.6	88.3	88.3	88.7	88.7
700	50.9	65.1	68.5	74.9	79.4	80.9	85.4	87.1	87.1	87.8	88.5	88.5	89.1	89.1	89.6	89.6
600	51.0	65.4	69.0	75.7	80.5	82.2	87.2	88.9	88.9	89.8	91.0	91.0	91.6	91.6	92.0	92.0
500	51.0	65.4	69.0	75.7	80.8	82.6	87.5	89.5	89.5	90.5	91.7	91.7	92.7	92.7	93.1	93.1
400	51.0	65.6	69.1	75.9	81.1	82.9	88.1	90.3	90.4	91.9	93.2	93.2	94.2	94.2	94.6	94.6
300	51.0	65.6	69.1	75.9	81.1	83.0	89.1	91.7	91.8	93.3	94.8	94.8	95.9	95.9	96.3	96.4
200	51.0	65.6	69.1	75.9	81.1	83.0	89.1	91.7	91.8	94.0	95.6	95.6	96.9	96.9	97.3	97.5
100	51.0	65.6	69.1	75.9	81.1	83.0	89.1	91.8	91.9	94.4	96.0	96.0	97.5	97.5	98.7	99.1
0	51.0	65.6	69.1	75.9	81.1	83.0	89.1	91.8	91.9	94.6	96.2	96.2	97.7	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN

74-87

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

ELEVATION FEET	VISIBILITY STATUTE MILES																CEILING (HUNDREDS OF METERS)													
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	
20000	27.6	31.0	31.4	32.6	33.1	33.1	33.7	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	
18000	32.6	37.1	38.0	39.5	40.1	40.1	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	
16000	32.7	37.2	38.1	39.6	40.2	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	
14000	32.7	37.2	38.2	39.8	40.4	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	
12000	33.1	37.7	38.7	40.3	41.0	41.0	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	
10000	34.3	39.2	40.3	42.0	42.8	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	
8000	35.4	40.3	41.4	43.1	43.9	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	
6000	36.2	41.2	42.4	44.1	44.8	44.8	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	
4000	37.2	42.2	43.3	45.1	45.9	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
2000	39.2	44.5	45.7	47.5	48.4	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	
1000	41.0	46.9	48.1	49.9	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	
500	43.0	49.6	50.8	52.9	54.1	54.1	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	
200	45.2	52.0	53.4	55.8	57.1	57.2	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	
100	46.0	52.9	54.4	56.9	58.2	58.4	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	
50	47.7	55.7	57.3	59.8	61.1	61.4	62.0	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	
20	50.1	58.9	60.6	63.3	65.2	65.5	66.3	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
10	52.5	62.8	64.7	67.6	69.8	70.2	71.7	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
5	55.3	68.8	71.4	74.9	77.5	78.1	79.6	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	
2	55.5	70.5	73.3	77.0	79.6	80.1	81.7	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	
1	56.7	71.8	74.6	78.3	80.9	81.4	83.1	83.7	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	
0.5	56.5	72.6	75.5	79.4	82.3	82.9	84.6	85.3	85.4	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
0.2	56.7	73.5	76.7	80.9	83.8	84.6	86.8	87.5	87.6	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	
0.1	56.7	73.5	76.7	80.9	83.8	84.6	86.8	87.5	87.6	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	
0.05	56.7	73.7	76.9	81.1	84.0	84.8	87.1	88.1	88.2	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	
0.02	56.7	73.7	77.1	81.6	84.6	85.6	88.1	89.1	89.2	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
0.01	56.7	73.8	77.2	81.8	84.9	86.1	88.9	90.1	90.2	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
0.005	56.7	73.8	77.2	81.9	85.2	86.8	90.1	91.8	91.9	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	
0.002	56.7	73.8	77.2	81.9	85.4	87.0	90.4	92.2	92.4	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
0.001	56.7	73.8	77.2	81.9	85.4	87.0	90.4	92.2	92.4	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
0.0005	56.7	73.8	77.2	81.9	85.4	87.0	90.4	92.2	92.4	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
0.0002	56.7	73.8	77.2	81.9	85.4	87.0	90.4	92.2	92.4	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
0.0001	56.7	73.8	77.2	81.9	85.4	87.0	90.4	92.2	92.4	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260 MCGHEE TYSON AIRPORT TN

74-87

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15.0-17.0

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	GE90	GE80	GE70	GE60	GE50	GE40	GE30	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE02
NO CEILING	33.3	36.0	36.3	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	39.7	43.0	43.5	44.3	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 18000	39.2	43.4	44.0	44.7	44.8	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 16000	39.4	43.5	44.1	44.8	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000	39.7	43.9	44.4	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 12000	41.4	45.8	46.5	47.4	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 10000	42.7	47.4	48.1	49.0	49.2	49.2	49.2	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000	43.7	48.4	49.7	50.0	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 8000	44.2	49.0	49.7	50.6	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	46.1	51.0	51.6	52.6	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 6000	48.0	53.1	53.8	54.7	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000	51.5	57.2	57.8	58.8	59.1	59.1	59.2	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5
≥ 4500	53.4	59.5	60.2	61.5	61.8	61.8	61.9	61.9	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4000	54.8	60.9	61.6	62.9	63.2	63.2	63.3	63.3	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7
≥ 3500	57.3	64.0	64.9	66.2	66.8	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	59.7	67.0	68.2	69.6	70.1	70.1	70.4	70.4	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8
≥ 2500	61.9	70.1	71.5	73.0	73.0	74.2	74.5	74.6	74.6	74.8	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2000	64.2	74.6	76.3	78.5	79.5	79.8	80.2	80.3	80.3	80.5	80.8	80.8	80.9	80.9	80.9	80.9
≥ 1800	64.4	75.5	77.5	79.7	80.8	81.2	81.6	81.7	81.7	81.9	82.2	82.2	82.3	82.3	82.3	82.3
≥ 1600	64.6	76.2	78.3	80.5	81.8	82.3	82.8	83.0	83.0	83.3	83.5	83.5	83.7	83.7	83.7	83.7
≥ 1400	65.1	77.8	79.9	82.5	84.0	84.4	85.1	85.3	85.3	85.6	85.8	85.8	86.0	86.0	86.0	86.0
≥ 1200	65.1	78.2	80.4	83.3	84.9	85.4	86.3	86.6	86.6	87.0	87.2	87.2	87.5	87.5	87.5	87.5
≥ 1000	65.1	78.4	80.6	83.8	85.6	86.1	87.3	87.5	87.5	88.0	88.2	88.2	88.6	88.6	88.6	88.6
≥ 900	65.1	78.5	80.9	84.2	86.1	86.8	88.5	88.7	88.7	89.2	89.5	89.5	89.9	89.9	89.9	89.9
≥ 800	65.1	78.6	81.0	84.3	86.3	87.0	89.1	89.5	89.5	90.2	90.4	90.4	90.9	90.9	90.9	90.9
≥ 700	65.1	78.7	81.1	84.5	86.6	87.2	89.8	90.4	90.4	91.3	91.5	91.5	92.0	92.0	92.0	92.0
≥ 600	65.1	78.9	81.3	84.7	86.9	87.5	90.3	91.1	91.1	92.5	92.8	92.8	93.3	93.3	93.3	93.3
≥ 500	65.1	78.9	81.3	84.7	87.3	88.0	91.2	92.3	92.3	94.1	94.4	94.4	95.2	95.2	95.2	95.2
≥ 400	65.1	78.9	81.3	84.7	87.4	88.1	91.4	93.0	93.1	95.8	96.3	96.3	97.2	97.3	97.3	97.4
≥ 300	65.1	78.9	81.3	84.7	87.4	88.1	91.9	93.4	93.5	96.7	97.2	97.2	98.4	98.7	99.0	99.4
≥ 200	65.1	78.9	81.3	84.7	87.4	88.1	92.0	93.5	93.7	96.8	97.3	97.3	98.6	98.9	99.2	99.6
≥ 100	65.1	78.9	81.3	84.7	87.4	88.1	92.0	93.5	93.7	96.8	97.3	97.3	98.6	98.9	99.2	99.6
≥ 0	65.1	78.9	81.3	84.7	87.4	88.1	92.0	93.5	93.7	96.8	97.3	97.3	98.6	98.9	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

74-87

1A

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-2000

CEILING FEET	VISIBILITY STATUTE MILES										OP (HUNDREDS OF METERS)									
	≥10	26	25	24	23	22	21	20	19	18	20	21	22	23	24	25	26	27	28	29
≥10000	36.3	38.7	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	
2 18000	41.4	44.5	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	
2 16000	41.6	44.8	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	
2 14000	41.6	44.8	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	
2 12000	42.3	45.6	46.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	
2 10000	44.3	47.6	48.3	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	
2 8000	46.3	49.8	50.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
2 6000	47.0	51.2	51.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
2 4000	47.8	52.3	53.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
2 2000	49.1	53.8	54.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	
2 1000	50.1	55.1	56.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	
2 800	52.3	57.5	58.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
2 600	55.9	61.5	62.6	63.7	63.9	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	
2 400	57.1	63.2	64.3	65.5	65.7	65.7	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	
2 200	59.5	66.1	67.3	68.8	69.2	69.2	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	
2 1000	61.1	68.9	70.1	72.2	72.8	72.8	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	
2 800	63.3	72.0	73.7	75.7	76.5	76.7	77.2	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	
2 600	65.1	74.5	76.1	78.9	79.9	80.1	80.6	81.1	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	
2 400	65.4	75.5	77.1	79.9	80.9	81.1	81.8	82.3	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
2 200	65.7	76.5	78.2	81.2	82.2	82.4	83.1	83.5	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	
2 1000	65.7	77.4	79.2	82.3	83.2	83.4	84.3	84.8	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
2 800	65.7	78.1	80.1	83.5	84.6	84.8	86.2	86.9	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	
2 600	65.7	78.2	80.4	84.2	85.4	85.6	87.2	87.8	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	
2 400	65.7	78.4	80.8	84.7	85.9	86.1	88.1	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
2 200	65.7	78.5	81.1	85.1	86.3	86.6	88.5	89.2	89.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	
2 1000	65.7	78.5	81.1	85.2	86.7	87.0	89.1	90.0	90.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	
2 800	65.7	78.5	81.2	85.5	87.2	87.5	90.0	91.0	91.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
2 600	65.7	78.5	81.3	85.8	88.1	88.5	91.3	92.6	92.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
2 400	65.7	78.5	81.3	85.8	88.1	88.5	91.6	93.0	93.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
2 200	65.7	78.5	81.3	85.8	88.1	88.5	91.6	93.2	93.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
2 1000	65.7	78.5	81.3	85.8	88.1	88.5	91.7	93.3	93.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
2 800	65.7	78.5	81.3	85.8	88.1	88.5	91.7	93.3	93.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260 MCGHEE TYSON AIRPORT TN

74-67

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01 0-2300

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	GE90	GE90	GE80	GE60	GE40	GE30	GE20	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10
20000	36.7	40.0	40.7	41.0	41.0	41.0	41.0	41.2	41.2	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
18000	39.9	43.9	44.2	44.6	44.6	44.8	44.8	45.1	45.1	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
16000	40.0	44.0	44.3	44.9	44.9	44.9	44.9	45.2	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
14000	40.0	44.0	44.3	44.9	44.9	44.9	44.9	45.2	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
12000	41.2	45.2	45.5	46.1	46.1	46.1	46.1	46.3	46.3	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
10000	43.2	47.3	47.6	48.4	48.4	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
8000	45.1	49.1	49.5	50.2	50.2	50.2	50.2	50.4	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
6000	46.7	50.5	50.9	51.9	51.9	51.9	51.9	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
4000	47.0	51.5	51.8	52.9	52.9	52.9	52.9	53.1	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
2000	47.8	53.1	53.7	54.8	54.8	54.8	54.8	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
1000	49.7	55.5	56.7	57.3	57.3	57.3	57.3	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
500	51.2	57.4	58.1	59.4	59.4	59.4	59.4	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
400	53.1	61.1	62.2	63.9	64.0	64.2	64.3	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
300	55.1	63.2	64.3	66.2	66.3	66.6	66.7	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
200	57.6	66.6	67.6	69.7	69.8	70.1	70.2	70.4	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
100	58.5	68.5	69.6	71.6	71.7	72.0	72.3	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
50	60.5	71.6	73.1	76.2	76.5	76.8	77.2	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
20	61.7	74.7	76.3	80.2	80.5	80.9	81.3	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
10	62.2	76.1	77.8	81.8	82.2	82.5	83.1	83.7	83.7	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
5	62.4	76.8	78.5	82.7	83.0	83.3	84.0	84.5	84.5	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
2	62.7	77.8	79.5	84.4	84.7	85.2	85.9	86.6	86.6	86.8	86.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1	62.7	78.5	80.5	85.4	85.7	86.1	87.1	87.8	87.8	88.1	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
0.5	62.7	78.8	81.0	85.9	86.2	86.7	88.0	88.7	88.7	88.9	88.9	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
0.2	62.7	79.1	81.4	86.6	87.0	87.5	88.9	90.0	90.0	90.4	90.4	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
0.1	62.7	79.1	81.5	86.9	87.3	88.1	89.6	90.8	90.8	91.2	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
0.05	62.7	79.2	81.6	87.3	87.7	88.5	90.1	91.4	91.4	91.9	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
0.02	62.7	79.2	81.7	87.6	88.5	89.4	91.1	92.6	92.6	93.3	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
0.01	62.7	79.4	81.8	88.1	89.1	90.0	92.0	94.2	94.2	95.2	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
0.005	62.7	79.4	81.8	88.2	89.5	90.4	92.8	95.1	95.1	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0.002	62.7	79.4	81.8	88.2	89.6	90.5	93.3	95.8	95.8	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0.001	62.7	79.4	81.8	88.2	89.6	90.5	93.3	95.8	96.1	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0.0005	62.7	79.4	81.8	88.2	89.6	90.5	93.3	95.8	96.1	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATE/CLIMATE BRANCH
USAF ETAC
AIR WEATHER SERVICE/AMC

CEILING VERSUS VISIBILITY

773265 HOGHEE TYSON AIRPORT IN

74-87

1A

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
1000	33.2	33.7	34.5	35.0	35.3	35.5	35.7	35.7	35.7	35.8	35.8	35.9	36.0	36.1	36.2	36.3
900	33.3	33.7	34.4	35.3	35.7	35.9	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0
800	33.9	37.8	39.6	39.4	40.1	40.1	40.5	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5
700	33.9	37.9	38.6	39.5	40.2	40.2	40.5	40.8	40.9	41.0	41.1	41.1	41.2	41.3	41.4	41.5
600	34.7	38.7	39.5	40.5	41.1	41.1	41.5	41.7	41.7	41.9	41.9	42.0	42.1	42.1	42.2	42.3
500	36.2	40.4	41.2	42.4	43.0	43.1	43.4	43.6	43.6	43.8	43.8	44.0	44.0	44.1	44.2	44.3
400	37.5	41.7	42.6	43.8	44.5	44.5	44.9	45.1	45.2	45.3	45.4	45.4	45.5	45.5	45.6	45.7
300	39.0	43.4	44.3	45.7	46.4	46.4	46.8	47.1	47.1	47.2	47.3	47.3	47.4	47.4	47.5	47.6
200	39.9	44.5	45.4	46.8	47.5	47.5	47.9	48.2	48.2	48.3	48.4	48.4	48.5	48.5	48.6	48.7
100	41.8	46.7	47.6	49.1	49.8	49.8	50.3	50.5	50.5	50.7	50.7	50.8	50.8	50.9	51.0	51.1
800	43.3	48.5	49.6	51.1	52.0	52.0	52.4	52.6	52.7	52.8	52.9	52.9	53.0	53.1	53.2	53.3
700	45.4	51.2	52.4	54.0	54.9	54.9	55.4	55.7	55.7	55.9	55.9	56.0	56.1	56.1	56.2	56.3
600	47.6	54.1	55.4	57.2	58.2	58.3	58.9	59.1	59.2	59.4	59.5	59.5	59.6	59.6	59.7	59.8
500	49.3	55.8	57.2	59.1	60.1	60.2	60.8	61.1	61.1	61.4	61.4	61.4	61.6	61.6	61.7	61.8
400	51.7	58.8	60.3	62.5	63.5	63.7	64.5	64.8	64.8	65.0	65.1	65.1	65.2	65.2	65.4	65.4
300	53.0	61.9	63.5	66.0	67.0	67.4	68.3	68.6	68.7	69.0	69.1	69.1	69.2	69.2	69.3	69.4
200	55.3	65.7	67.5	70.5	71.9	72.2	73.3	73.7	73.8	74.1	74.2	74.2	74.3	74.4	74.5	74.6
100	57.1	69.4	71.4	75.1	76.6	77.0	78.2	78.8	78.8	79.2	79.3	79.3	79.5	79.5	79.7	79.8
800	57.4	70.6	72.8	76.7	78.2	78.6	80.0	80.6	80.6	81.1	81.2	81.2	81.4	81.4	81.6	81.7
700	57.9	71.6	73.8	77.9	79.6	80.0	81.4	82.1	82.1	82.6	82.8	82.8	83.0	83.1	83.3	83.3
600	58.3	72.7	75.1	79.5	81.3	81.8	83.3	84.0	84.1	84.7	84.8	84.8	85.2	85.2	85.4	85.5
500	58.6	73.5	75.9	80.6	82.5	83.1	84.9	85.8	85.9	86.5	86.7	86.7	87.1	87.1	87.3	87.4
400	58.7	73.9	76.4	81.2	83.2	83.8	85.8	86.8	86.8	87.5	87.7	87.7	88.1	88.1	88.4	88.5
300	58.7	74.2	76.8	81.6	83.8	84.4	86.6	87.6	87.7	88.5	88.7	88.7	89.1	89.1	89.3	89.4
200	58.7	74.3	77.1	82.1	84.4	85.1	87.4	88.5	88.6	89.5	89.7	89.7	90.2	90.2	90.4	90.5
100	58.7	74.5	77.3	82.5	84.8	85.5	88.2	89.3	89.4	90.4	90.7	90.7	91.2	91.2	91.4	91.5
800	58.7	74.6	77.5	82.7	85.3	86.1	89.0	90.3	90.4	91.6	92.0	92.0	92.5	92.5	92.8	92.8
700	58.7	74.7	77.7	83.1	85.9	86.8	90.0	91.7	91.7	93.4	93.8	93.8	94.5	94.5	94.8	94.9
600	58.7	74.7	77.7	83.2	86.1	87.1	90.7	92.6	92.7	94.9	95.5	95.5	96.4	96.5	96.7	96.9
500	58.7	74.7	77.7	83.2	86.2	87.1	91.0	93.1	93.3	95.8	96.5	96.5	97.5	97.6	98.0	98.3
400	58.7	74.7	77.7	83.2	86.2	87.2	91.1	93.3	93.5	96.2	96.9	96.9	98.3	98.4	99.0	99.5
300	58.7	74.7	77.7	83.2	86.2	87.2	91.1	93.3	93.5	96.2	96.9	96.9	98.3	98.4	99.0	99.5
200	58.7	74.7	77.7	83.2	86.2	87.2	91.1	93.3	93.5	96.2	96.9	96.9	98.3	98.4	99.0	99.5
100	58.7	74.7	77.7	83.2	86.2	87.2	91.1	93.3	93.5	96.2	96.9	96.9	98.3	98.4	99.0	99.5

TOTAL NUMBER OF OBSERVATIONS 7476

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

700000 MCGHEE TYSON AIRPORT TN

74-97

555

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-0500

		VISIBILITY STATE MILES																CEILING (HUNDREDS OF FEET)													
		20	26	24	24	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
		0790	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	0990	
1000	1000	33.8	37.8	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1		
1000	1000	35.4	39.8	40.6	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1		
1000	1000	35.7	40.2	41.0	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5		
1000	1000	36.0	40.5	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6		
1000	1000	36.3	41.5	42.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9		
1000	1000	36.7	42.7	43.5	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1		
1000	1000	39.5	44.5	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1		
1000	1000	41.8	47.6	48.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5		
1000	1000	43.4	49.5	51.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5		
1000	1000	45.0	51.3	52.5	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3		
1000	1000	46.2	52.6	54.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5		
1000	1000	48.6	56.7	58.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5		
1000	1000	50.5	59.4	61.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4		
1000	1000	52.3	61.3	63.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8		
1000	1000	53.3	62.8	65.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7		
1000	1000	56.3	67.7	70.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0		
1000	1000	57.3	70.1	72.1	75.7	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4		
1000	1000	58.4	73.6	77.4	81.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0		
1000	1000	59.9	74.8	78.8	82.9	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8		
1000	1000	59.4	75.9	80.2	84.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7		
1000	1000	59.5	76.7	81.4	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1		
1000	1000	59.5	77.0	82.0	87.1	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0		
1000	1000	59.5	77.0	82.0	87.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4		
1000	1000	59.6	77.1	82.1	87.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0		
1000	1000	59.6	77.1	82.1	88.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2		
1000	1000	59.6	77.4	82.3	88.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5		
1000	1000	59.6	77.4	82.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0		
1000	1000	59.6	77.5	82.5	88.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4		
1000	1000	59.6	77.5	82.6	89.0	90.6	90.8	92.1	94.7	95.1	96.0	96.3	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2		
1000	1000	59.6	77.5	82.6	89.0	90.6	90.8	92.7	95.4	95.9	96.7	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4		
1000	1000	59.6	77.5	82.6	89.0	90.6	90.8	92.7	95.4	95.9	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4		

TOTAL NUMBER OF OBSERVATIONS 044

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

740607 MOORE TISON AIRPORT TN

74-37

0000

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

100-800

		VISIBILITY IN MILES															
		OF (HUNDREDS OF METERS)															
CEILING	FEET	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1000
300	300	32.7	35.7	36.7	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
350	350	34.5	38.8	39.4	41.1	41.3	41.3	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
400	400	34.6	38.9	39.9	41.3	41.4	41.4	41.7	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3
450	450	35.6	41.2	42.0	42.7	42.8	42.8	43.1	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7
500	500	36.3	41.4	42.1	43.5	44.0	44.0	44.7	44.6	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9
550	550	37.5	42.6	43.3	45.0	45.3	45.3	45.6	45.9	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2
600	600	39.7	44.4	45.5	47.4	47.6	47.6	48.7	48.2	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
650	650	41.7	47.2	48.8	50.5	50.7	50.7	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
700	700	43.5	51.2	52.0	54.1	54.4	54.4	55.1	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
750	750	46.7	54.4	56.3	58.4	58.6	58.6	59.6	59.2	59.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
800	800	48.5	57.0	59.7	61.3	61.7	61.7	62.9	63.5	63.5	64.1	64.1	64.1	64.1	64.1	64.1	64.1
850	850	49.9	58.7	61.0	63.2	63.6	63.6	64.9	65.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1
900	900	51.2	60.5	62.6	65.1	65.5	65.5	66.8	67.5	67.5	68.1	68.1	68.1	68.1	68.1	68.1	68.1
950	950	54.4	65.0	67.7	70.0	70.7	70.7	72.1	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
1000	1000	55.3	68.6	71.9	74.1	75.2	75.2	76.7	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1000	1000	56.9	71.1	73.5	77.2	78.5	78.5	80.7	80.9	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7
1000	1000	57.6	71.2	74.5	77.9	79.2	79.2	80.7	81.6	81.6	82.4	82.4	82.4	82.4	82.4	82.4	82.4
1000	1000	57.1	72.6	75.8	79.9	81.2	81.2	83.0	83.9	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8
1000	1000	57.7	74.0	77.5	81.7	83.7	83.7	85.7	86.4	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1000	1000	57.8	74.3	78.0	82.2	83.7	83.7	86.1	87.5	87.5	88.3	88.3	88.3	88.3	88.3	88.3	88.3
1000	1000	58.0	75.1	78.7	83.2	84.8	84.8	87.1	88.5	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1000	1000	58.2	75.4	79.4	83.8	85.5	85.5	87.9	89.4	89.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2
1000	1000	58.2	75.7	79.7	84.8	86.4	86.4	89.1	90.5	90.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
1000	1000	58.2	75.7	79.7	85.1	87.0	87.0	90.0	91.8	91.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
1000	1000	58.2	75.7	79.8	85.5	87.4	87.4	90.9	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1000	1000	58.2	76.0	80.1	86.1	88.1	88.1	91.1	92.1	92.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
1000	1000	58.2	76.0	80.1	86.1	88.1	88.1	91.1	92.6	92.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1000	1000	58.2	76.1	80.3	86.2	88.2	88.2	91.1	92.8	92.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1000	1000	58.2	76.1	80.3	86.2	88.2	88.2	91.1	92.9	92.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1000	1000	58.2	76.1	80.3	86.2	88.2	88.2	91.1	92.9	92.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9

TOTAL NUMBER OF OBSERVATIONS 245

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

200000 MCGHEE TYPON AIRPORT TN

74-87

5-5

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-1-1955

		VISIBILITY (STATUTE MILES)										CEILING (HUNDREDS OF METERS)									
		1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	1	29.5	35.4	36.0	37.9	38.4	38.8	39.3	39.6	39.8	39.9	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2	1	71.8	39.5	41.7	42.6	43.7	43.6	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
3	1	31.2	39.6	41.7	42.7	43.4	43.7	44.6	44.6	44.6	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
4	1	32.0	39.6	40.9	42.6	43.6	43.8	44.7	44.7	44.7	44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
5	1	32.4	41.5	41.7	43.6	44.7	44.5	45.4	45.4	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
6	1	33.8	41.9	43.1	45.1	45.8	46.7	47.7	47.7	47.7	47.7	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
7	1	34.4	42.6	43.7	45.8	46.5	46.7	47.8	47.8	47.8	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
8	1	35.7	44.5	45.8	47.8	48.5	48.8	49.9	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
9	1	36.7	45.4	46.7	48.6	49.5	49.7	50.8	50.8	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
10	1	37.4	46.6	47.9	50.1	50.8	51.2	52.4	52.4	52.4	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
11	1	39.3	47.6	47.9	51.2	52.0	52.7	54.0	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
12	1	42.5	52.4	54.0	56.8	57.6	58.3	59.9	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
13	1	43.7	54.1	55.0	59.5	60.4	61.1	62.7	62.7	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
14	1	45.8	56.6	58.5	62.1	63.0	63.7	65.7	65.7	65.7	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
15	1	47.9	58.9	60.8	64.6	65.9	66.7	68.3	68.3	68.3	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
16	1	49.9	62.1	63.9	68.3	69.7	70.7	73.1	73.1	73.1	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
17	1	52.1	65.1	67.0	71.8	73.5	74.6	77.2	77.2	77.5	78.0	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
18	1	53.1	67.9	69.9	76.0	77.8	78.8	81.7	81.9	82.4	82.8	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
19	1	53.8	69.3	71.6	77.9	79.8	80.8	83.7	83.9	84.5	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
20	1	54.1	70.4	72.8	79.2	81.5	82.7	85.3	86.2	86.7	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
21	1	54.6	71.8	74.6	81.2	83.7	85.1	88.3	88.9	89.5	89.9	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
22	1	54.6	72.3	75.3	82.1	84.7	86.2	89.6	90.3	91.0	91.5	91.6	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
23	1	54.6	72.4	75.5	82.5	85.1	86.5	89.0	90.7	91.4	92.0	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
24	1	54.7	72.7	75.9	83.1	85.8	87.2	90.9	91.5	92.2	92.8	93.0	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
25	1	54.8	72.8	76.1	83.4	86.2	87.6	91.1	92.0	92.7	93.4	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
26	1	54.9	73.0	76.2	83.7	86.6	88.2	92.0	92.9	93.6	94.7	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
27	1	54.9	73.3	76.4	83.9	87.0	88.5	92.5	93.6	94.3	95.5	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
28	1	54.9	73.3	76.4	84.0	87.3	88.9	93.4	94.4	95.1	96.3	97.2	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
29	1	54.9	73.3	76.4	84.0	87.5	89.0	93.7	94.8	95.7	97.5	97.9	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
30	1	54.9	73.3	76.4	84.0	87.5	89.0	93.7	94.9	95.9	97.6	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
31	1	54.9	73.3	76.4	84.0	87.5	89.0	93.7	94.9	95.9	97.8	98.2	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
32	1	54.9	73.3	76.4	84.0	87.5	89.0	93.7	94.9	95.9	97.8	98.2	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 485

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70706 HOGUEF TYSON AIRPORT TN

74-87

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1100-1400

CEILING (FEET)	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	GE0	GE20	GE40	GE60	GE80	GE100	GE120	GE140	GE160	GE180	GE200	GE220	GE240	GE260	GE280	GE300
0	34.4	46.1	47.6	48.2	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
100	30.5	46.6	47.6	48.2	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
200	29.7	46.7	47.6	48.3	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
300	29.8	46.8	47.7	48.5	48.9	49.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
400	40.8	48.0	49.1	49.6	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
500	41.7	48.9	50.1	50.7	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
600	42.8	50.1	51.3	51.9	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
700	43.7	51.1	52.2	52.8	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
800	44.8	52.1	53.3	53.9	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
900	45.4	53.0	54.1	54.7	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
1000	46.3	54.1	55.3	56.3	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
1100	48.7	57.7	58.9	60.0	61.0	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
1200	50.4	59.9	61.3	63.0	64.2	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
1300	52.0	61.7	63.1	64.9	66.1	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
1400	54.5	64.5	66.0	67.8	69.1	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1500	57.1	68.0	69.4	72.0	73.4	73.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
1600	61.1	73.4	74.9	77.5	79.3	79.6	80.0	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
1700	63.7	76.5	78.1	81.0	83.3	83.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1800	63.5	77.5	79.2	82.7	85.2	85.7	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1900	63.9	79.0	80.9	84.6	87.4	87.8	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2000	64.4	80.1	82.4	86.6	89.6	90.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2100	64.4	80.6	82.9	87.2	90.2	90.7	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2200	64.5	80.7	83.0	87.4	90.3	90.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
2300	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2400	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2500	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2600	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2700	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2800	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2900	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3000	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3100	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3200	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3300	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3400	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3500	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3600	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3700	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3800	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3900	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4000	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4100	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4200	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4300	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4400	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4500	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4600	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4700	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4800	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4900	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
5000	64.8	81.1	83.5	87.8	90.8	91.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS 896

USAF ETAC 04-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73367 MCGHEE TYSON AIRPORT TN

74-27

565

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 0-2 00

ELEVATION FEET	VISIBILITY - STATUTE MILES																CEILING (HUNDREDS OF METERS)													
	GE10	GE20	GE30	GE40	GE50	GE60	GE70	GE80	GE90	GE100	GE120	GE140	GE160	GE180	GE200	GE250	GE300	GE350	GE400	GE450	GE500									
20000	37.6	38.5	39.5	39.6	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8									
18000	45.2	46.2	47.6	48.0	48.1	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6									
16000	45.5	46.6	48.1	48.5	48.6	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1									
14000	45.5	46.6	48.3	48.7	48.8	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3									
12000	46.2	47.3	49.1	49.4	49.5	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0									
10000	48.3	49.4	51.2	52.0	52.1	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6									
8000	50.6	51.8	53.5	54.7	54.8	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3									
6000	52.5	54.4	56.3	57.4	57.6	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2									
4000	53.5	55.4	57.4	58.6	58.7	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3									
2000	55.6	57.6	59.6	60.9	61.0	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6									
0000	58.3	60.4	62.4	64.1	64.2	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0									
18000	61.0	64.2	66.2	67.8	68.1	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9									
16000	65.0	68.7	70.8	72.5	72.7	73.3	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9									
14000	66.3	70.1	72.2	73.9	74.1	74.7	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4									
12000	68.8	72.8	75.1	76.8	77.1	77.8	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5									
10000	69.7	74.3	76.7	78.7	79.1	79.6	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7									
8000	71.6	77.9	80.7	83.1	83.8	84.6	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7									
6000	72.9	80.0	83.2	85.8	86.5	87.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8									
4000	73.6	81.4	84.9	87.6	88.3	89.1	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5									
2000	73.8	81.9	85.7	88.7	89.5	90.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8									
0000	73.9	82.6	86.6	89.6	90.5	91.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0									
18000	73.9	82.7	86.6	89.7	90.8	91.7	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4									
16000	73.9	82.7	86.6	89.7	90.8	91.7	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4									
14000	73.9	83.0	87.0	90.3	91.4	92.6	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4									
12000	73.9	83.0	87.0	90.3	91.5	92.8	94.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2									
10000	73.9	83.0	87.0	90.3	91.6	93.0	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5									
8000	73.9	83.0	87.0	90.3	91.6	93.0	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6									
6000	73.9	83.0	87.0	90.3	91.6	93.0	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6									
4000	73.9	83.0	87.0	90.3	91.6	93.0	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6									
2000	73.9	83.0	87.0	90.3	91.6	93.0	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6									
0000	73.9	83.0	87.0	90.3	91.6	93.0	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6									

TOTAL NUMBER OF OBSERVATIONS 546

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN

74-87

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-2-2300

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)													
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	210	20	25	24	23	22	21	20	19	18	17	16	15	14
20000	41.0	43.6	44.4	45.0	45.7	45.0	45.7	45.0	45.7	45.0	45.7	45.0	45.7	45.0	45.7	45.0	41.0	43.6	44.4	45.0	45.7	45.0	45.7	45.0	45.7	45.0	45.7	45.0	45.7	45.0
18000	43.4	46.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	43.4	46.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
16000	43.6	46.9	48.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	43.6	46.9	48.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
14000	43.6	46.9	48.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	43.6	46.9	48.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
12000	44.8	48.1	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	44.8	48.1	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
10000	45.9	49.4	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	45.9	49.4	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
8000	47.5	51.3	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	47.5	51.3	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
6000	49.3	53.3	55.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	49.3	53.3	55.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
4000	50.6	54.7	56.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	50.6	54.7	56.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
2000	53.1	57.2	59.3	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	53.1	57.2	59.3	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
1000	55.3	59.7	61.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	55.3	59.7	61.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
500	57.1	62.2	64.5	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	57.1	62.2	64.5	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
400	60.7	66.0	68.6	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	60.7	66.0	68.6	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
300	61.2	67.8	70.4	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	61.2	67.8	70.4	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
250	62.6	70.0	72.7	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	62.6	70.0	72.7	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
200	64.8	73.4	76.1	78.3	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	64.8	73.4	76.1	78.3	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
150	66.2	76.5	79.4	81.8	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	66.2	76.5	79.4	81.8	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
100	67.4	79.2	82.9	85.3	86.1	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	67.4	79.2	82.9	85.3	86.1	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
80	67.7	80.1	84.2	86.9	87.6	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	67.7	80.1	84.2	86.9	87.6	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
60	68.0	81.0	85.1	87.8	88.7	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	68.0	81.0	85.1	87.8	88.7	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
40	68.7	81.6	85.7	88.4	89.2	89.6	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	68.7	81.6	85.7	88.4	89.2	89.6	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1
30	69.2	82.0	86.3	89.4	90.2	90.5	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	69.2	82.0	86.3	89.4	90.2	90.5	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1
20	68.2	82.3	86.5	90.0	90.8	91.1	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	68.2	82.3	86.5	90.0	90.8	91.1	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1
15	68.2	82.6	86.9	90.4	91.3	91.6	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	68.2	82.6	86.9	90.4	91.3	91.6	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
10	68.2	82.9	87.1	90.8	91.6	92.0	92.8	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	68.2	82.9	87.1	90.8	91.6	92.0	92.8	93.4	93.5	93.5	93.5	93.5	93.5	93.5
8	68.2	82.9	87.1	90.8	91.6	92.0	92.8	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	68.2	82.9	87.1	90.8	91.6	92.0	92.8	93.4	93.5	93.5	93.5	93.5	93.5	93.5
6	68.2	82.9	87.1	90.8	91.6	92.0	92.8	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	68.2	82.9	87.1	90.8	91.6	92.0	92.8	93.4	93.5	93.5	93.5	93.5	93.5	93.5
4	68.2	83.0	87.5	91.1	92.1	92.4	93.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	68.2	83.0	87.5	91.1	92.1	92.4	93.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2
2	68.2	83.0	87.5	91.1	92.1	92.4	93.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	68.2	83.0	87.5	91.1	92.1	92.4	93.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2
1	68.2	83.0	87.5	91.1	92.1	92.4	93.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	68.2	83.0	87.5	91.1	92.1	92.4	93.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS 896

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/ C

CEILING VERSUS VISIBILITY

72250 MCGHEE TYSON AIRPORT TN

74-87

PER

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)																			
	GE90	GE90	GE80	GE60	GE40	GE40	GE30	GE24	GE20	GE16	GE12	GE10	GE8	GE6	GE4	GE2	GE1	GE0	GE0	GE0
1 2000	35.4	39.7	39.9	40.6	40.8	40.8	41.1	41.2	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
2 1800	39.4	43.9	45.0	45.9	46.1	46.2	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7
3 1600	39.5	44.1	45.2	46.1	46.3	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
4 1400	39.7	44.2	45.3	46.2	46.4	46.5	46.8	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
5 1200	40.6	45.2	46.4	47.3	47.5	47.6	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1
6 1000	41.9	46.5	47.7	48.8	49.0	49.1	49.3	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
7 800	43.2	48.1	49.3	50.5	50.8	50.8	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
8 600	44.8	50.1	51.4	52.6	52.9	53.0	53.3	53.3	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
9 400	46.0	51.4	52.6	54.1	54.3	54.4	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
10 200	47.6	53.2	54.7	56.0	56.2	56.4	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0
11 100	49.2	55.2	56.8	58.3	58.6	58.8	59.1	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
12 50	51.9	58.7	60.5	62.1	62.5	62.6	63.1	63.3	63.3	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
13 0	54.3	61.8	63.9	65.8	66.2	66.4	66.9	67.1	67.1	67.3	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
14 0	55.8	63.6	65.7	67.6	68.1	68.3	69.0	69.2	69.2	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
15 0	57.6	65.8	68.0	70.1	70.5	70.9	71.7	71.9	72.0	72.2	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
16 0	59.9	69.3	71.5	74.0	74.6	75.0	75.8	76.1	76.1	76.5	76.6	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
17 0	62.0	72.9	75.4	78.0	79.0	79.4	80.3	80.6	80.7	81.1	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
18 0	63.2	75.8	78.6	81.8	83.0	83.4	84.6	84.9	85.0	85.4	85.5	85.5	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8
19 0	63.6	76.7	79.9	83.4	84.6	85.0	86.2	86.5	86.6	87.1	87.2	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
20 0	63.9	77.8	81.1	84.9	86.3	86.7	87.9	88.4	88.5	88.9	89.1	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4
21 0	64.2	78.7	82.3	86.4	87.9	88.4	89.6	90.2	90.3	90.8	90.9	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3
22 0	64.2	79.0	82.8	87.0	88.5	89.1	90.4	91.0	91.1	91.6	91.8	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
23 0	64.3	79.2	83.1	87.5	89.0	89.5	91.0	91.6	91.7	92.3	92.5	92.5	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9
24 0	64.4	79.5	83.3	87.9	89.5	90.1	91.6	92.3	92.4	92.9	93.2	93.2	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6
25 0	64.4	79.6	83.4	88.2	89.8	90.5	92.0	92.7	92.9	93.5	93.8	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
26 0	64.4	79.6	83.5	88.4	90.1	90.8	92.5	93.4	93.6	94.3	94.6	94.6	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
27 0	64.4	79.7	83.6	88.6	90.5	91.2	93.0	94.1	94.4	95.1	95.5	95.5	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
28 0	64.4	79.8	83.7	88.8	90.8	91.6	93.6	94.8	95.2	96.1	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
29 0	64.4	79.8	83.8	88.9	90.9	91.8	94.1	95.3	95.8	97.0	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
30 0	64.4	79.8	83.8	88.9	90.9	91.8	94.3	95.6	96.1	97.4	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
31 0	64.4	79.8	83.8	88.9	90.9	91.8	94.3	95.6	96.2	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
32 0	64.4	79.8	83.8	88.9	90.9	91.8	94.3	95.6	96.2	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 6763

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727260 MCGHEE TYSON AIRPORT TN

74-87

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

SEP-60

CEILING (FEET)		VISIBILITY STATISTICS QD (HUNDREDS OF METERS)																			
		210	200	250	240	230	220	210	200	250	240	230	220	210	200	250	240	230	220	210	200
1	1000	40.8	43.1	43.3	43.7	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.1	44.1	44.2	44.2	44.2
2	900	46.8	50.6	51.1	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.8	52.0	52.0	52.0
3	800	47.4	51.4	51.6	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6	52.8	52.8	52.8
4	700	47.4	51.4	51.6	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6	52.8	52.8	52.8
5	600	48.2	52.2	52.7	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.9	53.9	53.9
6	500	50.4	54.6	55.2	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.3	56.3	56.3
7	400	52.6	56.9	57.4	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.6	58.6	58.6
8	300	53.9	58.4	58.9	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9	60.1	60.1	60.1
9	200	55.4	60.0	60.5	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5	61.5	61.7	61.7	61.7
10	100	57.7	62.9	63.4	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.4	64.4	64.6	64.6	64.6
11	000	59.4	65.3	65.9	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1	67.3	67.3	67.3
12	400	62.8	69.5	70.3	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.9	71.9	72.2	72.2	72.2
13	300	66.6	74.0	74.9	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.7	76.7	76.9	76.9	76.9
14	200	67.5	75.9	77.0	78.2	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.8	78.8	79.2	79.2	79.2
15	100	69.4	79.0	80.2	81.5	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.2	82.2	82.4	82.4	82.4
16	000	71.5	82.2	83.4	84.8	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.5	85.7	85.7	85.7
17	400	73.2	84.6	86.1	87.6	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7	88.7	88.9	88.9	88.9
18	300	73.8	86.2	87.6	89.4	89.6	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6	90.9	90.9	90.9
19	200	74.0	87.3	89.0	90.6	91.0	91.1	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.2	92.2	92.4	92.4	92.4
20	100	74.0	88.3	90.2	91.8	92.2	92.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.4	93.4	93.7	93.7	93.7
21	000	74.1	88.6	90.6	92.5	92.8	92.9	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.3	94.3	94.5	94.5	94.5
22	400	74.2	88.8	90.9	92.8	93.1	93.2	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.8	94.8	95.1	95.1	95.1
23	300	74.3	89.2	91.3	93.2	93.5	93.7	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.3	95.3	95.3
24	200	74.0	89.5	91.5	93.4	93.8	93.9	94.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.6	95.6	95.8	95.8	95.8
25	100	74.7	89.6	91.6	93.5	94.0	94.1	94.6	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.8	95.8	96.0	96.0	96.0
26	000	74.1	89.8	92.0	94.1	94.5	94.6	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.3	96.3	96.6	96.6	96.6
27	400	74.1	89.8	92.0	94.3	94.9	95.1	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.6	96.6	97.0	97.0	97.0
28	300	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0
29	200	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0
30	100	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0
31	000	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0
32	400	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0
33	300	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0
34	200	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0
35	100	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0
36	000	74.1	89.9	92.2	94.4	95.3	95.4	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72257 MCGHEE TYSON AIRPORT TN

74-87

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-7500

		VISIBILITY IN STATUTE MILES OR (HUNDREDS OF METERS)															
		5790	5800	5810	5820	5830	5840	5850	5860	5870	5880	5890	5900	5910	5920	5930	5940
1	1/8	34.9	39.5	39.8	40.3	40.3	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.4	41.7
2	1/4	40.4	46.1	46.5	47.1	47.2	47.2	47.9	47.8	47.8	47.8	47.8	47.8	48.1	48.1	48.3	48.6
3	1/2	47.5	46.6	46.7	47.7	47.8	47.8	48.5	48.5	48.5	48.5	48.5	48.5	48.7	48.7	48.9	49.2
4	3/4	47.8	46.8	47.1	48.0	48.1	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	49.1	49.5
5	1	42.5	48.5	48.8	49.8	49.9	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.8	50.8	51.0	51.3
6	1 1/8	45.1	51.1	51.4	52.4	52.5	52.5	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.5	53.9
7	1 1/4	46.5	52.5	52.8	53.8	53.9	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.7	54.7	54.9	55.3
8	1 1/2	48.3	54.9	55.3	56.5	56.6	56.6	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.6	58.0
9	1 3/4	48.8	55.5	55.8	57.0	57.1	57.1	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0	58.2	58.5
10	2	51.6	58.3	58.6	59.8	59.9	59.9	60.5	60.5	60.5	60.5	60.5	60.5	60.8	60.8	61.0	61.3
11	2 1/8	53.9	60.8	61.1	62.3	62.4	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.5	63.5	63.8	64.1
12	2 1/4	56.6	63.0	64.3	65.8	65.9	65.9	66.6	66.6	66.6	66.6	66.6	66.6	67.2	67.2	67.4	67.7
13	2 1/2	59.2	68.4	68.9	70.8	70.9	70.9	71.5	71.5	71.5	71.5	71.5	71.5	72.2	72.2	72.4	72.7
14	2 3/4	60.0	69.5	70.0	72.2	72.3	72.3	72.9	73.1	73.1	73.1	73.1	73.1	73.7	73.7	73.9	74.2
15	3	62.3	72.9	73.7	76.2	76.3	76.3	77.0	77.2	77.2	77.2	77.2	77.2	77.7	77.7	78.0	78.3
16	3 1/8	64.6	76.3	77.4	80.1	80.2	80.2	80.9	81.1	81.1	81.1	81.1	81.1	81.6	81.6	81.8	82.2
17	3 1/4	66.1	79.0	80.2	83.0	83.1	83.1	83.8	84.0	84.0	84.0	84.0	84.0	84.5	84.5	84.7	85.1
18	3 1/2	66.9	81.0	82.3	85.3	85.4	85.4	86.1	86.5	86.6	86.6	86.6	86.6	87.1	87.1	87.3	87.6
19	3 3/4	67.2	81.6	82.9	86.0	86.1	86.1	86.9	87.2	87.3	87.3	87.3	87.3	87.8	87.8	88.1	88.4
20	4	67.4	82.9	84.2	87.4	87.5	87.5	88.3	88.6	88.7	88.7	88.7	88.7	89.2	89.2	89.5	89.8
21	4 1/8	67.5	84.8	86.2	89.7	89.8	89.8	90.6	91.0	91.1	91.1	91.1	91.1	91.6	91.6	91.8	92.2
22	4 1/4	67.5	84.9	86.6	90.1	90.2	90.2	91.2	91.6	91.7	91.7	91.7	91.7	92.3	92.3	92.5	92.8
23	4 1/2	67.5	85.2	86.9	90.3	90.4	90.4	91.5	91.9	92.0	92.0	92.0	92.0	92.6	92.6	92.8	93.1
24	4 3/4	67.5	85.3	87.2	90.8	90.9	90.9	91.9	92.4	92.5	92.5	92.5	92.5	93.0	93.0	93.2	93.5
25	5	67.5	85.4	87.4	91.0	91.1	91.1	92.2	92.6	92.7	92.7	92.7	92.7	93.2	93.2	93.4	93.8
26	5 1/8	67.5	85.5	87.5	91.2	91.3	91.3	92.5	93.1	93.2	93.4	93.4	93.4	94.0	94.0	94.2	94.5
27	5 1/4	67.5	85.5	87.6	92.3	92.7	92.7	94.2	95.6	95.7	96.3	96.3	96.3	97.1	97.1	97.3	97.6
28	5 1/2	67.5	85.7	87.7	92.4	92.8	92.8	94.4	95.8	95.9	96.7	96.7	96.7	97.4	97.4	97.6	98.0
29	5 3/4	67.5	85.7	87.7	92.4	92.8	92.8	94.5	96.3	96.5	97.4	97.4	97.4	98.3	98.3	98.8	99.1
30	6	67.5	85.7	87.7	92.7	93.1	93.1	94.8	96.7	96.8	97.7	97.7	97.7	98.6	98.6	99.1	99.8
31	6 1/8	67.5	85.7	87.7	92.7	93.1	93.1	94.8	96.7	96.8	97.7	97.7	97.7	98.6	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

74-83

MA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

500-0800

		VISIBILITY (STATUTE MILES)																OR (HUNDREDS OF METERS)															
		210	200	250	240	230	220	210	200	150	140	130	120	110	100	90	80	250	240	230	220	210	200	150	140	130	120	110	100	90	80		
1	20000	29.8	34.1	35.5	35.9	36.6	36.6	36.7	36.7	36.7	37.0	37.1	37.1	37.3	37.4	37.6	38.3	34.6	40.3	41.5	42.4	42.7	43.0	43.2	43.2	43.2	43.5	43.7	43.7	43.9	44.0	44.2	44.6
2	18000	35.1	40.8	42.3	42.8	43.4	43.4	43.7	43.7	43.7	44.1	44.1	44.1	44.3	44.4	44.6	45.3	35.4	41.1	42.6	43.3	44.0	44.0	44.2	44.2	44.5	44.6	44.6	44.8	44.9	45.2	45.8	
3	16000	36.2	42.1	43.5	44.3	44.9	44.9	45.3	45.3	45.3	45.6	45.7	45.7	45.9	46.0	46.2	46.9	38.2	44.0	45.5	46.2	46.9	46.9	47.2	47.2	47.2	47.5	47.6	47.6	47.8	48.1	48.2	48.8
4	14000	40.0	46.0	47.5	48.4	49.1	49.1	49.5	49.5	49.5	49.6	49.9	49.9	50.1	50.2	50.4	51.1	42.3	48.7	50.2	51.2	52.0	52.0	52.4	52.4	52.7	52.8	52.8	53.0	53.1	53.3	54.1	
5	12000	43.2	50.0	51.7	52.9	53.8	53.8	54.1	54.1	54.1	54.4	54.5	54.5	54.7	54.8	55.1	55.7	44.7	52.2	53.9	55.2	56.0	56.0	56.3	56.3	56.7	56.8	56.8	57.0	57.1	57.3	58.0	
6	10000	46.7	54.2	56.7	58.1	58.9	58.9	59.2	59.2	59.2	59.6	59.7	59.7	59.9	60.0	60.2	60.9	48.9	57.4	59.1	61.6	62.5	62.6	63.0	63.0	63.4	63.5	63.5	63.8	63.9	64.2	64.8	
7	8000	51.5	60.9	63.1	65.4	66.5	66.7	67.2	67.2	67.3	67.7	67.8	67.8	68.1	68.2	68.5	69.1	52.5	62.8	65.1	67.8	68.9	69.2	69.9	70.1	70.2	70.6	70.8	71.0	71.1	71.4	72.0	
8	6000	54.6	65.4	67.6	70.6	71.7	72.0	72.7	73.0	73.1	73.5	73.7	73.7	73.9	74.0	74.3	74.9	57.1	69.4	71.6	74.7	75.8	76.1	77.2	77.5	77.6	78.1	78.4	78.4	78.6	78.7	79.0	79.7
9	4000	58.3	72.5	75.1	78.4	79.5	79.8	81.2	81.5	81.6	82.2	82.5	82.5	82.7	82.8	83.1	83.8	60.2	74.7	77.5	81.0	82.2	82.5	84.0	84.3	84.4	84.9	85.3	85.3	85.5	85.6	85.9	86.6
10	2000	67.8	76.0	78.9	82.5	83.7	84.7	85.5	85.8	85.9	86.5	86.8	86.8	87.0	87.1	87.4	88.1	61.2	77.2	80.2	83.9	85.1	85.4	86.9	87.2	87.3	87.8	88.2	88.2	88.4	88.5	88.8	89.5
11	1000	61.5	78.0	81.3	85.1	86.3	86.7	88.5	88.9	89.0	89.6	89.9	89.9	90.1	90.2	90.5	91.2	61.7	78.3	82.0	85.8	87.1	87.4	89.6	90.0	90.2	90.9	91.3	91.3	91.5	91.6	91.9	92.6
12	800	61.8	78.5	82.4	86.5	87.7	88.1	90.3	90.8	91.0	91.6	92.0	92.0	92.3	92.4	92.7	93.3	61.9	78.5	82.4	86.5	87.8	88.2	90.5	91.0	91.2	91.8	92.3	92.3	92.5	92.6	92.9	93.5
13	600	61.8	78.7	82.6	86.8	88.2	88.5	91.0	91.5	91.7	92.4	92.8	92.8	93.1	93.2	93.5	94.2	61.8	78.8	82.7	86.9	88.3	88.6	91.1	91.8	92.0	92.8	93.2	93.2	93.5	93.7	94.1	94.7
14	400	61.8	78.9	82.9	87.3	88.9	89.2	92.0	93.0	93.2	94.2	94.6	94.6	94.9	95.1	95.5	96.1	61.8	78.9	83.0	87.6	89.5	89.8	92.8	93.9	94.1	95.1	95.5	95.5	95.8	95.9	96.3	97.0
15	200	61.8	79.0	83.1	87.7	89.6	90.0	93.1	94.5	94.7	95.9	96.5	96.5	96.8	96.9	97.3	98.0	61.8	79.0	83.1	87.7	89.6	90.0	93.1	94.5	94.7	95.9	96.5	96.5	96.9	97.0	97.6	98.3
16	100	61.8	79.0	83.1	87.7	89.6	90.0	93.1	94.7	94.9	96.1	96.7	96.7	97.2	97.3	97.7	98.4	61.8	79.0	83.1	87.7	89.6	90.0	93.1	94.7	94.9	96.1	96.7	96.7	97.2	97.3	97.7	98.4
17	50	61.8	79.0	83.1	87.7	89.6	90.0	93.1	94.7	94.9	96.1	96.7	96.7	97.2	97.3	97.7	98.4	61.8	79.0	83.1	87.7	89.6	90.0	93.1	94.7	94.9	96.1	96.7	96.7	97.2	97.3	97.7	98.4

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77267 MCGHEE TYSON AIRPORT IN

74-67

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

337-1422

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	GE90	GE90	GE80	GE60	GE40	GE20	GE10	GE5	GE2	GE1	GE0.5	GE0.25	GE0.1	GE0.05	GE0.025	GE0.01
20000	29.4	34.7	36.7	36.9	37.3	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
18000	35.9	42.4	44.7	44.8	45.5	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.1	46.1	46.2
16000	35.9	42.4	44.7	44.8	45.5	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.1	46.1	46.2
14000	36.0	42.5	44.1	44.9	45.6	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.2	46.2	46.3
12000	37.2	43.7	45.4	46.2	46.9	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.5	47.6
10000	38.7	45.5	47.2	48.1	48.7	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.5	49.5	49.6
8000	40.6	47.7	49.6	50.5	51.4	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.2	52.2	52.3
6000	41.9	49.0	51.0	51.9	52.8	52.9	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.7
4000	43.3	50.9	52.8	53.9	54.7	54.8	55.7	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.5	55.6
2000	44.9	53.5	55.5	56.7	57.5	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.5
1000	45.7	54.9	57.3	58.5	59.5	59.7	60.7	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.5
500	48.3	58.3	60.8	62.2	63.1	63.3	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.2
250	50.5	61.4	63.0	65.3	66.5	66.7	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.7
100	52.5	64.1	66.7	68.2	69.4	69.7	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.9
50	54.6	66.7	69.2	70.9	72.2	72.5	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.7
25	56.6	69.7	72.3	74.1	75.4	75.7	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	77.0
10	60.1	74.1	76.9	79.0	80.3	80.8	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.3	82.3	82.4
5	62.3	77.0	79.9	82.6	84.0	84.5	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.8	86.8	86.9
2	62.9	78.1	81.2	84.1	85.6	86.1	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.6	88.6	88.7
1	63.5	78.9	82.0	85.1	86.7	87.3	89.4	89.5	89.5	89.7	89.7	89.7	89.7	90.0	90.0	90.1
0.5	64.0	80.1	83.3	86.3	88.7	88.6	90.8	90.9	90.9	91.1	91.3	91.3	91.3	91.6	91.6	91.7
0.25	64.1	81.1	84.7	88.2	89.8	90.5	92.7	92.8	92.8	93.0	93.2	93.2	93.2	93.5	93.5	93.7
0.1	64.2	81.3	84.9	88.8	90.4	91.2	93.3	93.4	93.4	93.7	93.9	93.9	93.9	94.2	94.2	94.3
0.05	64.2	81.6	85.3	89.4	91.0	91.8	94.1	94.2	94.2	94.5	94.7	94.7	94.7	95.1	95.1	95.2
0.025	64.2	81.8	85.5	89.7	91.3	92.3	94.5	94.6	94.6	94.9	95.2	95.2	95.2	95.6	95.6	95.8
0.01	64.2	81.9	85.6	89.9	91.5	92.5	94.8	94.9	95.1	96.0	96.2	96.2	96.2	96.7	96.7	96.9
0.005	64.2	81.9	85.6	90.0	91.7	92.7	95.1	95.3	95.4	96.6	96.8	96.8	96.8	97.2	97.2	97.4
0.0025	64.2	81.9	85.6	90.0	91.7	92.7	95.4	95.8	95.9	97.2	97.8	97.8	97.8	98.6	98.6	98.8
0.001	64.2	81.9	85.6	90.0	91.7	92.7	95.5	95.9	96.0	97.5	98.3	98.3	98.3	99.1	99.1	99.4
0.0005	64.2	81.9	85.6	90.0	91.7	92.7	95.5	95.9	96.0	97.6	98.5	98.5	98.5	99.5	99.5	99.7
0.00025	64.2	81.9	85.6	90.0	91.7	92.7	95.5	95.9	96.0	97.6	98.5	98.5	98.5	99.5	99.5	99.8
0.0001	64.2	81.9	85.6	90.0	91.7	92.7	95.5	95.9	96.0	97.6	98.5	98.5	98.5	99.5	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS 972

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724267 MCGHEE TYSON AIRPORT TN

74-87

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1997-1999

		VISIBILITY (STATUTE MILES)		CEILING (HUNDREDS OF FEET)	
		1	2	3	4
1	1	37.5	38.8	38.8	38.8
1	2	44.7	49.2	49.2	49.2
1	3	44.5	49.4	49.4	49.4
1	4	44.9	49.5	49.5	49.5
1	5	45.6	50.4	50.4	50.4
1	6	47.5	53.0	53.0	53.0
1	7	50.0	55.9	55.9	55.9
1	8	51.1	57.1	57.1	57.1
1	9	52.9	59.4	59.4	59.4
1	10	54.2	61.3	61.3	61.3
1	11	55.3	62.7	62.7	62.7
1	12	57.6	65.4	65.4	65.4
1	13	61.6	69.0	69.0	69.0
1	14	62.4	71.1	71.1	71.1
1	15	65.2	74.4	74.4	74.4
1	16	68.8	78.6	78.6	78.6
1	17	71.3	82.2	82.2	82.2
1	18	74.3	86.3	86.3	86.3
1	19	75.3	88.2	88.2	88.2
1	20	75.5	89.4	89.4	89.4
1	21	75.7	90.3	90.3	90.3
1	22	75.7	90.6	90.6	90.6
1	23	75.7	90.6	90.6	90.6
1	24	75.7	90.6	90.6	90.6
1	25	75.7	90.6	90.6	90.6
1	26	75.7	90.6	90.6	90.6
1	27	75.7	90.6	90.6	90.6
1	28	75.7	90.6	90.6	90.6
1	29	75.7	90.6	90.6	90.6
1	30	75.7	90.6	90.6	90.6
1	31	75.7	90.6	90.6	90.6
1	32	75.7	90.6	90.6	90.6
1	33	75.7	90.6	90.6	90.6
1	34	75.7	90.6	90.6	90.6
1	35	75.7	90.6	90.6	90.6
1	36	75.7	90.6	90.6	90.6
1	37	75.7	90.6	90.6	90.6
1	38	75.7	90.6	90.6	90.6
1	39	75.7	90.6	90.6	90.6
1	40	75.7	90.6	90.6	90.6
1	41	75.7	90.6	90.6	90.6
1	42	75.7	90.6	90.6	90.6
1	43	75.7	90.6	90.6	90.6
1	44	75.7	90.6	90.6	90.6
1	45	75.7	90.6	90.6	90.6
1	46	75.7	90.6	90.6	90.6
1	47	75.7	90.6	90.6	90.6
1	48	75.7	90.6	90.6	90.6
1	49	75.7	90.6	90.6	90.6
1	50	75.7	90.6	90.6	90.6
1	51	75.7	90.6	90.6	90.6
1	52	75.7	90.6	90.6	90.6
1	53	75.7	90.6	90.6	90.6
1	54	75.7	90.6	90.6	90.6
1	55	75.7	90.6	90.6	90.6
1	56	75.7	90.6	90.6	90.6
1	57	75.7	90.6	90.6	90.6
1	58	75.7	90.6	90.6	90.6
1	59	75.7	90.6	90.6	90.6
1	60	75.7	90.6	90.6	90.6
1	61	75.7	90.6	90.6	90.6
1	62	75.7	90.6	90.6	90.6
1	63	75.7	90.6	90.6	90.6
1	64	75.7	90.6	90.6	90.6
1	65	75.7	90.6	90.6	90.6
1	66	75.7	90.6	90.6	90.6
1	67	75.7	90.6	90.6	90.6
1	68	75.7	90.6	90.6	90.6
1	69	75.7	90.6	90.6	90.6
1	70	75.7	90.6	90.6	90.6
1	71	75.7	90.6	90.6	90.6
1	72	75.7	90.6	90.6	90.6
1	73	75.7	90.6	90.6	90.6
1	74	75.7	90.6	90.6	90.6
1	75	75.7	90.6	90.6	90.6
1	76	75.7	90.6	90.6	90.6
1	77	75.7	90.6	90.6	90.6
1	78	75.7	90.6	90.6	90.6
1	79	75.7	90.6	90.6	90.6
1	80	75.7	90.6	90.6	90.6
1	81	75.7	90.6	90.6	90.6
1	82	75.7	90.6	90.6	90.6
1	83	75.7	90.6	90.6	90.6
1	84	75.7	90.6	90.6	90.6
1	85	75.7	90.6	90.6	90.6
1	86	75.7	90.6	90.6	90.6
1	87	75.7	90.6	90.6	90.6
1	88	75.7	90.6	90.6	90.6
1	89	75.7	90.6	90.6	90.6
1	90	75.7	90.6	90.6	90.6
1	91	75.7	90.6	90.6	90.6
1	92	75.7	90.6	90.6	90.6
1	93	75.7	90.6	90.6	90.6
1	94	75.7	90.6	90.6	90.6
1	95	75.7	90.6	90.6	90.6
1	96	75.7	90.6	90.6	90.6
1	97	75.7	90.6	90.6	90.6
1	98	75.7	90.6	90.6	90.6
1	99	75.7	90.6	90.6	90.6
1	100	75.7	90.6	90.6	90.6

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707761 MCGHEE TYSON AIRPORT TN

74-87

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-1-1700

		VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
		GE7	GE8	GE9	GE10	GE11	GE12	GE13	GE14	GE15	GE16	GE17	GE18	GE19	GE20	GE21	GE22
1	0-1	25.0	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
2	1-2	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
3	2-3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
4	3-4	52.9	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
5	4-5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
6	5-6	55.1	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
7	6-7	56.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
8	7-8	53.8	53.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
9	8-9	50.9	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
10	9-10	61.7	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
11	10-11	64.1	68.6	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
12	11-12	68.1	73.4	73.8	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
13	12-13	77.2	76.2	76.5	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
14	13-14	73.0	79.1	79.5	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
15	14-15	74.6	80.8	81.1	81.7	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
16	15-16	77.0	84.1	84.4	85.1	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
17	16-17	80.3	87.2	87.6	88.2	88.6	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
18	17-18	80.3	89.1	89.6	90.3	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
19	18-19	82.8	89.7	90.1	90.9	91.3	91.5	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
20	19-20	81.1	90.5	91.1	91.9	92.4	92.7	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
21	20-21	81.3	91.2	91.7	92.7	93.7	93.7	94.1	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6
22	21-22	81.4	91.8	92.5	93.4	94.2	94.6	95.1	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6
23	22-23	81.4	92.0	92.7	93.9	94.7	95.2	95.6	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1
24	23-24	81.4	92.2	92.9	94.1	94.9	95.4	95.9	96.2	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6
25	24-25	81.4	92.4	93.1	94.3	95.3	95.9	96.6	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3
26	25-26	81.4	92.4	93.0	94.5	95.5	96.1	96.6	97.2	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6
27	26-27	81.4	92.4	93.3	94.5	95.5	96.2	97.1	97.4	97.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
28	27-28	81.4	92.4	93.7	94.6	95.6	96.3	97.1	97.5	97.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9
29	28-29	81.4	92.4	93.1	94.6	95.6	96.3	97.1	97.6	97.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1
30	29-30	81.4	92.4	93.0	94.6	95.6	96.3	97.1	98.2	98.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8
31	30-31	81.4	92.4	93.0	94.6	95.6	96.3	97.1	98.2	98.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 937

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SUPPLEMENTAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/ZNAC

CEILING VERSUS VISIBILITY

STATION MICHEL TYSON AIRPORT IN

74-67

304

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-2-2000

		CEILING (FEET) OR (METERS)															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	0	40.0	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
1	0	40.7	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
2	0	43.7	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
3	0	43.8	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
4	0	40.7	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
5	0	48.0	49.8	60.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6	0	48.9	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
7	0	61.7	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
8	0	62.9	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
9	0	65.3	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
10	0	67.4	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
11	0	70.8	75.4	76.7	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
12	0	72.9	78.8	79.5	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
13	0	74.1	80.3	81.7	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
14	0	75.7	82.4	83.7	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
15	0	77.4	85.2	85.9	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
16	0	78.5	87.1	87.8	88.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
17	0	79.6	89.2	90.7	91.1	91.7	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
18	0	79.8	89.7	90.4	91.5	92.4	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
19	0	80.0	91.4	91.2	92.3	93.2	93.3	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
20	0	80.1	91.2	92.2	93.3	94.7	94.4	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
21	0	80.1	91.4	92.5	93.8	94.7	94.6	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
22	0	80.1	91.6	92.7	94.0	95.2	95.3	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
23	0	80.1	91.7	92.9	94.1	95.3	95.4	95.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
24	0	80.1	91.7	92.9	94.1	95.3	95.4	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
25	0	80.1	91.7	92.9	94.3	95.5	95.6	96.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
26	0	80.1	91.7	92.9	94.4	95.6	95.7	96.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
27	0	80.1	91.7	92.9	94.4	95.7	95.8	96.3	97.5	97.5	98.3	98.4	98.4	98.4	98.4	98.4	98.4
28	0	80.1	91.7	92.9	94.4	95.7	95.9	95.7	98.2	98.2	99.0	99.0	99.1	99.1	99.1	99.1	99.1
29	0	80.1	91.7	93.0	94.5	95.8	96.0	96.9	98.4	98.4	99.4	99.4	99.5	99.5	99.7	99.7	99.7
30	0	80.1	91.7	93.0	94.5	95.8	96.0	97.1	98.6	98.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

97

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

4-5-6

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100-200

OR (HUNDREDS OF METERS)

TOTAL NUMBER OF OBSERVATIONS 570

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723261 MCGHEE TYSON AIRPORT TN

74-67

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-7500

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	200	260	280	240	230	220	210	200	190	180	170	160	150	140	130	120	200	250	300	350
10000	47.4	54.1	54.4	54.4	54.6	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.4	55.4	55.4
9000	51.3	58.6	58.9	59.0	59.1	59.1	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.1	60.1	60.1	60.1
8000	51.4	59.0	59.3	59.4	59.6	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.5	60.6	60.6	60.6
7000	51.4	59.0	59.3	59.4	59.6	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.5	60.6	60.6	60.6
6000	51.9	59.4	59.8	59.9	60.0	60.0	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	61.0	61.0	61.0	61.0
5000	54.3	62.2	62.6	62.7	62.8	62.8	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.8	63.8	63.8	63.8
4000	55.9	64.0	64.4	64.6	64.7	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.7	65.7	65.7	65.7
3000	58.9	67.9	68.3	68.4	68.6	68.6	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.8	69.8	69.8	69.8
2000	60.7	70.2	70.8	70.9	71.0	71.0	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.2	72.2	72.2	72.2
1500	61.8	71.4	72.1	72.2	72.3	72.3	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.6	73.6	73.6	73.6
1000	62.9	73.3	74.0	74.1	74.2	74.2	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.4	75.4	75.4	75.4
800	66.2	77.7	78.5	78.7	79.0	79.0	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.2	80.2	80.2	80.2
600	67.8	79.9	81.0	81.1	81.4	81.4	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.7	82.7	82.7	82.7
400	69.3	81.8	83.0	83.2	83.6	83.6	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.9	84.9	84.9	84.9
200	71.9	84.7	85.9	86.6	86.9	86.9	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.2	88.2	88.2	88.2
100	72.8	86.1	87.4	88.1	88.4	88.4	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.8	89.8	89.8	89.8
50	74.6	89.1	90.4	91.4	91.8	91.8	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.1	93.1	93.1	93.1
25	75.6	90.7	92.2	93.2	93.6	93.6	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	95.1	95.1	95.1	95.1
10	75.7	90.9	92.6	93.8	94.2	94.2	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.8	95.8	95.8	95.8
5	75.8	91.3	93.1	94.6	95.0	95.0	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.6	96.6	96.6	96.6
2	76.1	91.9	93.7	95.2	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3
1	76.2	92.0	93.8	95.7	96.1	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.8	97.8	97.8	97.8
0.5	76.2	92.1	93.9	95.8	96.3	96.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0
0.25	76.2	92.3	94.1	96.0	96.6	96.6	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.3	98.3	98.3	98.3
0.1	76.2	92.3	94.1	96.2	96.8	96.8	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6
0.05	76.2	92.3	94.1	96.3	96.9	96.9	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8
0.025	76.2	92.7	94.4	96.8	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
0.01	76.2	92.7	94.4	96.8	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
0.005	76.2	92.7	94.4	96.6	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
0.0025	76.2	92.7	94.4	96.9	97.6	97.6	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.7	99.7	99.7	99.7
0.001	76.2	92.7	94.4	97.0	97.7	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9	99.9
0.0005	76.2	92.7	94.4	97.0	97.7	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

731257 MCGHEE TYSON AIRPORT TN

74-5

100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1117-0800

		VISIBILITY (STATUTE MILES)																CP (HUNDREDS OF METERS)	
		ST9	CE90	GF8	GF60	GE48	GE40	GE37	GE24	GE2	GE16	GE12	GE10	GE8	GE7	GE4	GE1		
1	1000	42.6	46.1	49.7	49.6	49.9	51.1	51.7	51.1	51.1	51.2	51.7	51.2	51.3	51.3	51.3	51.4		
	2000	47.1	54.2	55.1	55.7	56.0	56.2	57.1	57.2	57.7	57.3	57.4	57.4	57.4	57.4	57.4	57.4		
2	800	47.1	54.3	55.2	55.8	56.1	56.3	57.2	57.3	57.7	57.4	57.4	57.4	57.6	57.6	57.6	58.0		
	600	47.2	54.4	55.3	55.9	56.2	56.4	57.3	57.4	57.4	57.6	57.6	57.6	57.7	57.7	57.7	58.0		
3	400	48.6	56.1	57.0	57.6	57.9	58.1	59.0	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.9		
	200	50.1	57.7	58.6	59.1	59.4	59.7	60.6	61.7	62.7	62.8	62.8	62.8	62.9	62.9	62.9	61.3		
4	100	50.7	58.7	59.7	60.3	60.7	60.9	61.8	62.7	62.7	62.2	62.2	62.2	62.3	62.3	62.3	62.8		
	50	53.1	61.9	62.9	63.8	64.2	64.4	65.4	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.4		
5	10	54.9	64.6	65.7	66.6	67.0	67.3	68.3	68.6	68.6	68.8	68.8	68.8	68.9	68.9	68.9	69.3		
	5	56.3	66.3	67.4	68.3	68.8	69.2	70.2	70.4	70.4	70.8	70.8	70.8	70.9	70.9	70.9	71.3		
6	1	59.2	68.7	69.8	70.7	71.1	71.6	72.6	72.8	72.8	73.1	73.1	73.1	73.2	73.2	73.2	73.7		
	0.1	61.7	71.9	73.1	74.2	74.8	75.2	76.3	76.7	76.7	77.0	77.0	77.0	77.1	77.1	77.1	77.6		
7	0.05	63.1	74.6	75.8	77.2	78.0	78.4	79.6	79.9	79.9	80.2	80.2	80.2	80.3	80.3	80.3	80.8		
	0.01	64.1	76.4	77.9	79.4	80.3	80.8	81.9	82.2	82.2	82.6	82.7	82.7	82.8	82.8	82.8	83.2		
8	0.005	65.1	78.0	79.6	81.6	82.6	83.7	84.7	84.6	84.6	84.9	85.1	85.1	85.2	85.2	85.2	85.7		
	0.001	66.4	80.7	82.4	84.4	85.6	86.0	87.3	87.7	87.7	88.1	88.2	88.2	88.3	88.3	88.3	88.9		
9	0.0005	67.3	82.2	84.0	86.3	87.4	87.9	89.3	89.7	89.7	90.0	90.3	90.3	90.4	90.4	90.4	90.9		
	0.0001	67.8	85.0	86.9	89.2	90.3	90.8	92.3	92.8	92.8	93.1	93.4	93.4	93.6	93.6	93.6	94.0		
10	0.00005	69.2	85.7	87.7	90.0	91.1	91.6	93.2	93.7	93.7	94.0	94.3	94.3	94.4	94.4	94.4	94.9		
	0.00001	69.8	86.2	88.2	90.6	91.8	92.2	94.0	94.4	94.4	94.8	95.1	95.1	95.2	95.2	95.2	95.7		
11	0.000005	70.2	87.3	89.3	91.9	93.1	93.6	95.7	96.1	96.1	96.6	96.9	96.9	97.0	97.0	97.0	97.4		
	0.000001	70.4	87.8	89.6	92.3	93.6	94.0	96.1	96.6	96.6	97.0	97.3	97.3	97.4	97.4	97.4	97.9		
12	0.0000005	70.4	88.0	90.1	92.8	94.0	94.4	96.6	97.0	97.0	97.4	97.8	97.8	97.9	97.9	97.9	98.3		
	0.0000001	70.4	88.0	90.1	92.8	94.0	94.4	96.6	97.0	97.0	97.4	97.9	97.9	98.1	98.1	98.1	98.6		
13	0.00000005	70.4	88.0	90.1	92.8	94.0	94.4	96.7	97.1	97.1	97.6	98.0	98.0	98.2	98.2	98.2	98.7		
	0.00000001	70.4	88.0	90.1	93.0	94.2	94.7	96.9	97.3	97.3	97.8	98.2	98.2	98.4	98.4	98.4	98.9		
14	0.000000005	70.4	88.1	90.2	93.1	94.3	94.8	97.0	97.4	97.4	97.9	98.3	98.3	98.6	98.6	98.6	99.0		
	0.000000001	70.4	88.1	90.2	93.1	94.3	94.8	97.0	97.6	97.6	98.1	98.6	98.6	98.8	98.8	98.8	99.3		
15	0.0000000005	70.4	88.1	90.2	93.1	94.3	94.8	97.1	97.9	97.9	98.4	98.9	98.9	99.1	99.1	99.1	99.9		
	0.0000000001	70.4	88.1	90.2	93.1	94.3	94.8	97.1	97.9	97.9	98.4	98.9	98.9	99.1	99.1	99.1	100.0		
16	0.00000000005	70.4	88.1	90.2	93.1	94.3	94.8	97.1	97.9	97.9	98.4	98.9	98.9	99.1	99.1	99.1	100.0		
	0.00000000001	70.4	88.1	90.2	93.1	94.3	94.8	97.1	97.9	97.9	98.4	98.9	98.9	99.1	99.1	99.1	100.0		

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707567 MCGHEE TYSON AIRPORT TN

74-87

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-1100

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
20000	46.3	49.4	49.8	50.7	51.9	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
18000	56.2	60.1	60.6	61.5	61.7	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
16000	56.2	60.1	60.6	61.5	61.7	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
14000	57.3	61.2	61.7	62.6	62.8	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
12000	58.7	62.7	63.3	64.2	64.5	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
10000	60.1	64.6	65.3	66.2	66.6	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
8000	61.7	66.7	67.5	68.4	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
6000	62.6	68.1	69.0	69.9	70.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
4000	64.1	69.9	70.7	71.7	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2000	65.9	71.9	72.7	74.1	74.6	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1000	67.9	74.6	75.5	77.2	77.9	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
800	69.1	76.0	76.9	78.8	79.4	79.5	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
600	70.4	77.6	78.5	80.5	81.5	81.6	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
400	71.6	79.0	79.9	82.1	83.4	83.5	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
200	72.7	80.6	81.5	84.0	85.7	85.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
100	75.2	83.4	84.4	87.2	89.0	89.1	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
80	76.9	86.2	87.4	90.3	92.3	92.5	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
60	77.5	87.2	88.5	91.4	93.5	93.9	95.1	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
40	77.9	87.7	89.1	92.1	94.2	94.7	96.0	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
20	78.2	88.4	90.0	93.1	95.2	95.7	97.1	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
10	78.2	88.7	90.2	93.3	95.4	95.9	97.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
8	78.2	88.9	90.4	93.5	95.7	96.1	97.7	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
6	78.2	88.9	90.4	93.5	95.7	96.1	97.7	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
4	78.2	89.0	90.5	93.7	95.8	96.2	97.8	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2	78.2	89.0	90.5	93.7	95.9	96.3	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1	78.2	89.0	90.5	93.8	96.1	96.6	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0	78.2	89.0	90.7	94.0	96.4	97.0	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	78.2	89.0	90.7	94.0	96.4	97.0	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	78.2	89.0	90.7	94.0	96.4	97.0	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	78.2	89.0	90.7	94.0	96.4	97.0	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	78.2	89.0	90.7	94.0	96.4	97.0	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	78.2	89.0	90.7	94.0	96.4	97.0	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721257 HOGGEE TYSON AIRPORT TN

74-87

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	20	20	25	24	23	22	22	21	21	20	20	19	18	17	16	15
20000	47.3	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
18000	58.4	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
16000	58.6	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
14000	58.7	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
12000	59.8	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
10000	62.3	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
8000	64.2	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
6000	65.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
4000	65.7	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2000	66.7	71.1	71.3	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
1000	67.9	72.6	72.8	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
500	72.7	78.1	78.3	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
400	76.3	82.4	82.8	82.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
300	78.4	84.8	85.2	85.3	85.4	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
250	87.1	87.1	87.5	87.8	87.9	88.1	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
200	90.3	90.3	90.8	91.1	91.2	91.6	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
150	92.1	92.1	92.9	93.3	93.6	93.9	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
100	93.4	94.2	94.7	95.0	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
80	94.1	94.9	95.3	95.7	96.0	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
60	94.6	95.3	95.8	96.1	96.4	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
40	95.4	96.2	96.8	97.1	97.4	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
20	96.0	95.7	96.4	97.1	97.4	97.8	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10	96.1	95.9	96.7	97.3	97.8	98.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
5	96.1	95.9	96.7	97.3	97.8	98.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2	96.1	95.9	96.7	97.3	97.8	98.1	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1	96.2	96.0	96.8	97.4	97.9	98.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	96.2	96.0	96.9	97.7	98.1	98.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.2	96.0	96.9	97.7	98.1	98.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.2	96.0	96.9	97.7	98.1	98.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727260 MCGHEE TYSON AIRPORT TN

74-07

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-7-1700

ELEVATION FEET	VISIBILITY STATUTE MILES																CEILING (HUNDREDS OF FEET)			
	210	20	25	24	23	22	27	2	21	21	21	21	21	21	21	21	25	21	20	
21000	53.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
18000	61.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
16000	61.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
14000	61.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
12000	62.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
10000	65.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
8000	67.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
6000	69.6	71.8	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
4000	71.7	73.2	73.3	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2000	72.1	74.9	75.0	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
1000	74.2	77.2	77.4	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
500	78.9	82.7	82.9	82.9	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
400	81.3	85.4	85.7	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
300	83.0	86.0	88.2	88.3	88.4	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
200	85.2	91.6	91.8	91.9	91.9	91.3	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
100	86.6	92.8	93.0	93.2	93.3	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
50	87.4	94.7	95.0	95.3	95.4	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
20	88.9	96.6	97.0	97.4	97.6	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
10	89.0	96.9	97.3	97.8	97.9	98.2	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
5	89.3	97.0	97.4	97.9	98.0	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2	89.0	97.1	97.7	98.1	98.2	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.5	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.2	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.1	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.05	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.02	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.01	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.005	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.002	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.001	89.0	97.2	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721261 MCGHEE TYSON AIRPORT TN

74-87

8P7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-7-2000

CEILING FEET	VISIBILITY STATUTE MILES																DP (HUNDREDS OF METERS)	
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
≥10000	61.4	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥18000	61.6	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥16000	61.8	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥14000	62.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥12000	66.4	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥10000	68.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥9000	70.8	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥8000	72.2	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥7000	74.3	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥6000	76.1	79.6	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥5000	79.7	83.6	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥4500	82.0	87.2	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥4000	83.3	89.0	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥3500	85.2	92.2	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥3000	86.4	94.3	94.9	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥2500	87.2	95.4	96.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥2000	87.9	96.3	96.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1800	88.0	96.6	97.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥1600	88.0	96.9	97.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥1400	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥1200	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥1000	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥900	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥800	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥700	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥600	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥500	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥400	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥300	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥200	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥100	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥50	88.0	96.9	97.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
LCAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

713261 MCGHEE TYSON AIRPORT TN

74-63

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-2300

		VISIBILITY: STATUTE MILES										OR (HUNDREDS OF METERS)									
		200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
1	1000	50.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
2	900	58.6	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
3	800	58.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
4	700	58.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
5	600	57.2	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
6	500	63.0	65.5	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
7	400	65.0	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
8	300	68.1	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
9	200	69.7	73.2	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
10	100	72.9	76.8	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
11	000	74.9	79.4	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
12	5000	78.3	84.0	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
13	4500	79.1	86.1	86.4	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
14	4000	80.4	88.3	88.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
15	3500	82.7	90.3	90.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
16	3000	83.2	92.5	93.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
17	2500	83.3	93.3	94.1	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
18	2000	83.9	94.3	95.3	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
19	1500	83.9	94.5	95.6	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
20	1000	84.1	95.1	96.7	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
21	500	84.1	95.0	96.7	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
22	000	84.1	95.1	96.2	98.3	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
23	900	84.1	95.1	96.3	98.8	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
24	800	84.1	95.1	96.3	98.8	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
25	700	84.1	95.1	96.3	98.9	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
26	600	84.1	95.3	96.6	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27	500	84.1	95.3	96.6	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
28	400	84.1	95.3	96.6	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29	300	84.1	95.3	96.6	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30	200	84.1	95.3	96.6	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
31	100	84.1	95.3	96.6	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
32	000	84.1	95.3	96.6	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72726 MCGHEE TYSON AIRPORT TN

74-67

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY: STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12000	37.9	50.9	51.2	51.4	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
10000	56.2	60.0	60.3	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
8000	56.3	59.2	60.5	60.7	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2
6000	56.4	60.3	60.6	60.8	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3
4000	57.5	61.6	61.8	62.1	62.1	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5
2000	67.0	64.3	64.6	64.8	64.9	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
1000	61.7	66.2	66.5	66.8	66.9	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
800	63.9	69.0	69.4	69.7	69.8	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3
600	65.3	70.8	71.2	71.5	71.6	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1
400	67.1	72.8	73.3	73.6	73.8	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3
200	68.8	75.0	75.5	75.9	76.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6
100	72.3	79.4	79.9	80.4	80.6	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2
80	74.5	82.2	82.9	83.4	83.7	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3
60	75.8	84.1	84.8	85.5	85.9	86.0	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6
40	77.5	86.2	87.0	87.6	88.3	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1
20	78.8	88.3	89.2	90.2	90.7	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5
10	80.0	90.2	91.2	92.5	93.0	93.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9
8	81.1	91.9	93.0	94.4	94.9	95.1	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
6	81.3	92.4	93.5	94.9	95.5	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6
4	81.5	92.6	94.0	95.4	96.0	96.2	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
2	81.7	93.2	94.4	96.1	96.7	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8
1	81.8	93.4	94.6	96.3	97.0	97.2	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
800	81.8	93.6	94.8	96.6	97.2	97.5	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
600	81.8	93.6	94.8	96.6	97.3	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6
400	81.8	93.6	94.8	96.7	97.4	97.6	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
200	81.8	93.6	94.9	96.9	97.5	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
100	81.8	93.7	94.9	97.0	97.8	98.0	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
80	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
60	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
40	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
20	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
10	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
8	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
6	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
4	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
2	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
1	81.8	93.7	95.0	97.1	97.8	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 7198

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SUPPL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN

74-87

44V

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY, STATUTE MILES																
OR (HUNDREDS OF METERS)																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
31.3	41.6	45.7	49.2	57.2	60.3	51.3	51.6	51.6	52.4	52.4	52.4	52.6	52.6	57.7	57.2	57.2
35.1	46.5	50.6	54.8	55.8	55.9	57.0	57.3	57.3	58.2	58.2	58.2	58.4	58.4	58.9	59.4	59.6
35.6	47.0	51.2	55.4	56.3	56.5	57.5	57.8	57.8	58.7	58.7	58.7	58.9	58.9	59.4	59.4	59.6
36.1	48.0	52.3	56.6	57.7	57.8	58.9	59.2	59.2	60.1	60.1	60.1	60.3	60.3	60.7	61.0	61.0
37.3	49.6	53.9	58.6	59.7	59.9	61.1	61.4	61.4	62.3	62.3	62.3	62.5	62.5	62.9	63.1	63.1
39.0	51.7	56.1	61.2	62.3	62.5	63.5	64.0	64.0	64.8	64.8	64.8	65.1	65.1	65.5	65.7	65.7
41.0	54.5	58.9	64.5	65.6	65.8	66.7	67.3	67.3	68.2	68.2	68.2	68.4	68.4	68.8	69.0	69.0
42.3	56.3	61.0	66.7	67.1	68.7	69.4	69.8	69.8	70.6	70.6	70.6	70.9	70.9	71.3	71.5	71.5
43.5	58.4	63.0	69.1	70.8	71.0	72.5	72.9	72.9	73.8	73.8	73.8	74.0	74.0	74.4	74.6	74.6
46.0	61.3	65.9	72.6	74.5	74.7	76.3	76.8	76.8	77.6	77.6	77.6	77.8	77.8	78.2	78.5	78.5
48.6	66.2	71.1	78.4	80.3	80.5	82.5	82.9	82.9	83.8	83.8	83.8	84.0	84.0	84.4	84.6	84.6
51.6	69.1	74.7	81.4	83.3	83.5	85.5	85.9	85.9	86.8	86.8	86.8	87.0	87.0	87.4	87.6	87.6
51.2	72.1	75.1	82.5	84.7	84.9	86.9	87.3	87.3	88.2	88.2	88.2	88.4	88.4	88.8	89.0	89.0
51.8	71.4	76.6	84.0	86.2	86.5	88.4	88.8	88.8	89.7	89.7	89.7	89.9	89.9	90.3	90.5	90.5
53.0	73.3	78.5	86.1	88.4	88.6	90.6	91.1	91.1	91.9	91.9	91.9	92.2	92.2	92.6	92.8	92.8
53.4	74.1	79.5	87.1	89.5	89.7	91.7	92.2	92.2	93.0	93.0	93.0	93.2	93.2	93.6	93.8	93.8
54.1	74.9	80.4	88.4	90.8	91.0	93.0	93.4	93.4	94.3	94.3	94.3	94.5	94.5	94.9	95.2	95.2
54.5	75.6	81.1	89.1	91.6	91.8	93.8	94.3	94.3	95.2	95.2	95.2	95.4	95.4	95.8	96.0	96.0
54.6	76.0	81.5	89.7	92.2	92.4	94.5	94.9	94.9	95.8	95.8	95.8	96.0	96.0	96.4	96.7	96.7
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5	82.2	90.3	92.8	93.0	95.2	95.7	95.7	96.6	96.6	96.6	96.8	96.8	97.2	97.4	97.4
54.8	76.5															

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77-267 MCGHEE TYSON AIRPORT TN

74-67

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-2-1966

CEILING (FEET)		VISIBILITY (STATUTE MILES)		CP (HUNDREDS OF METERS)	
1000	2000	1/4	1/2	3/4	1
24.7	34.9	37.6	42.4	43.9	44.2
28.1	36.9	41.7	46.9	48.7	49.2
38.2	39.0	41.0	47.0	48.8	49.1
23.2	39.1	41.6	47.5	48.8	49.1
28.4	39.5	42.7	48.2	50.0	50.3
29.2	40.9	44.2	49.7	51.5	51.9
30.0	41.9	45.7	51.0	52.8	53.2
31.6	44.1	47.4	53.5	55.4	55.9
32.9	45.7	49.1	55.7	57.8	58.4
34.5	48.3	51.7	58.7	60.9	61.4
35.1	49.4	52.8	59.8	62.6	63.1
37.1	54.0	58.7	65.6	69.4	69.0
38.8	57.0	61.2	69.1	72.0	72.7
39.8	57.1	61.4	69.6	72.6	73.2
40.3	60.1	64.7	73.5	76.7	77.3
41.2	61.2	65.8	74.8	78.3	78.9
42.3	62.5	67.1	76.2	79.7	80.3
42.7	63.1	68.7	77.1	80.5	81.2
43.2	64.2	69.1	78.5	82.0	82.7
43.5	64.6	69.6	79.1	82.0	83.5
43.5	64.6	69.8	79.5	83.3	84.7
43.5	65.2	70.1	80.0	83.9	84.5
43.5	65.3	70.2	80.1	84.0	84.6
43.5	65.3	70.3	80.3	84.2	84.8
43.5	65.4	70.3	80.4	84.3	84.9
43.5	65.4	70.4	80.5	84.4	85.1
43.5	65.4	70.5	80.8	84.6	85.3
43.5	65.4	70.5	80.8	84.6	85.3

TOTAL NUMBER OF OBSERVATIONS 537

USAF ETAC G 14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

76216

MOGHEE TAYSON AIRPORT TN

74-557

76216

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

76216

		CEILING (FEET) 1000 900 800 700 600 500 400 300 200 100 50 0																			
		1000	900	800	700	600	500	400	300	200	100	50	0	1000	900	800	700	600	500	400	300
1000	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
900	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
800	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
700	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
600	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
500	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
400	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
300	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
200	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
100	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
50	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7

TOTAL NUMBER OF OBSERVATIONS 571

CEILING VERSUS VISIBILITY

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10

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14.5 IOL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A140 245

MCOWEE-TYSON AIRPORT TENNESSEE REVISED UNIFORM SUMMARY
OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 30 JAN 84

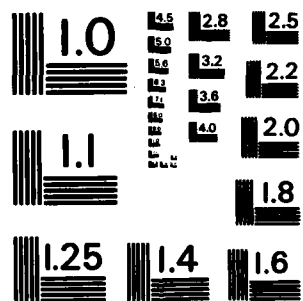
3/5

UNCLASSIFIED

TECHNICAL APPLICATIONS CENTER SCOT
USAFETAC/DS-84/008 SBI-AD-E850 614

F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-63
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 EQ9.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2.5 GE4.0	≥2 GE3.2	≥1.5 GE2.4	≥1 GE2.0	≥0.5 GE1.6	≥0.4 GE1.2	≥0.3 GE1.0	≥0.2 GE0.8	≥0.15 GE0.5	≥0.1 GE0.4	≥0 GE0.2
NO CEILING	35.4	43.1	44.9	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000	40.9	51.1	53.5	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	40.9	51.1	53.5	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	41.5	51.2	53.7	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	41.2	51.5	54.0	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	42.9	53.7	56.1	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	44.1	55.5	58.2	61.8	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 9000	45.2	57.0	59.7	63.5	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	45.9	58.5	61.5	65.5	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 7000	47.6	61.5	64.5	68.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 6000	48.9	63.2	66.5	71.0	72.0	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	50.6	65.7	69.0	73.8	74.8	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500	52.0	67.5	71.0	76.0	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	54.0	69.8	73.4	78.7	80.1	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3500	56.0	72.5	76.2	81.9	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	59.1	76.5	80.4	86.6	88.3	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	61.2	79.4	83.3	89.8	91.5	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	63.3	81.9	85.9	92.4	94.3	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	64.0	82.7	86.7	93.1	95.1	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	64.2	83.2	87.2	93.7	95.7	96.1	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	64.4	83.8	87.7	94.2	96.2	96.8	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	64.4	83.9	87.8	94.4	96.6	97.1	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	64.4	84.1	88.2	94.7	96.9	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	64.4	84.1	88.3	94.9	97.1	97.7	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	64.4	84.1	88.5	95.3	97.4	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	64.4	84.3	88.8	95.6	97.7	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	64.4	84.3	88.8	95.7	97.8	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	64.4	84.3	88.8	95.7	97.8	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	64.4	84.3	88.8	95.7	97.8	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	64.4	84.3	88.8	95.7	97.8	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	64.4	84.3	88.8	95.7	97.8	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	64.4	84.3	88.8	95.7	97.8	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 111 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72326 MCGHEE TYSON AIRPORT TN

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE97	≥6 GE90	≥5 GE87	≥4 GE80	≥3 GE74	≥2.5 GE67	≥2 GE60	≥1.5 GE53	≥1 GE46	≥0.5 GE39	≥0.25 GE32	≥0.1 GE25	≥0.05 GE18	≥0.025 GE11	≥0.01 GE04	≥0 GE00
NO CEILING	37.1	42.6	44.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	47.3	54.7	57.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	47.3	54.7	57.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	47.3	54.7	57.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000	48.2	55.6	58.7	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	49.7	57.5	59.9	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 10000	51.3	59.7	62.0	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 9000	53.3	62.2	64.6	66.2	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	55.4	65.2	67.7	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 7000	57.2	67.8	70.8	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000	59.0	70.1	73.3	75.2	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 5000	61.6	74.3	77.5	79.8	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4500	63.5	76.8	80.2	82.5	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	65.5	80.0	83.8	86.2	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	67.2	82.3	86.1	88.7	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3000	68.3	83.9	87.8	90.8	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	68.9	84.7	88.7	91.7	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	70.5	86.8	90.9	94.2	94.9	95.3	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	71.4	87.7	91.8	95.4	96.1	96.5	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	71.5	88.8	92.9	96.6	97.3	97.6	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	71.7	89.0	93.1	96.9	97.6	98.0	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	71.7	89.0	93.1	97.0	97.8	98.2	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	71.8	89.1	93.2	97.1	98.0	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	71.8	89.1	93.2	97.1	98.0	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	71.8	89.1	93.2	97.1	98.0	98.3	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	71.8	89.1	93.3	97.3	98.3	98.7	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	71.8	89.1	93.3	97.3	98.3	98.7	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	71.8	89.1	93.3	97.3	98.3	98.7	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	71.8	89.1	93.3	97.3	98.3	98.7	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.8	89.1	93.3	97.3	98.3	98.7	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.8	89.1	93.3	97.3	98.3	98.7	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	71.8	89.1	93.3	97.3	98.3	98.7	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 7-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	67.9	60.9	60.3	60.6	60.4	60.4	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000	35.8	43.9	45.3	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 18000	46.1	57.5	59.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000	46.2	57.7	59.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	46.3	57.8	59.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 12000	47.4	58.9	60.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000	49.9	62.2	63.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 9000	52.7	65.3	66.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000	55.6	68.8	70.5	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 7000	58.2	71.7	73.7	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 6000	60.6	74.3	76.2	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	62.4	76.5	78.5	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4500	64.3	79.7	81.9	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	65.7	82.0	84.3	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	66.7	83.8	86.0	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	67.1	84.5	86.8	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	68.2	85.8	88.2	90.4	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	68.9	87.0	89.4	92.0	93.2	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	69.8	88.1	90.4	93.3	94.6	94.8	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	70.0	88.3	90.6	93.5	94.9	95.3	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	71.0	89.4	91.7	94.8	96.2	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	71.3	90.0	92.5	95.6	97.1	97.4	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	71.4	90.1	92.6	95.9	97.4	97.7	98.1	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	71.7	90.4	92.9	96.3	97.8	98.2	98.5	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	71.7	90.5	93.0	96.5	98.0	98.3	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	71.7	90.5	93.0	96.5	98.1	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	71.7	90.5	93.0	96.5	98.1	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	71.7	90.5	93.0	96.5	98.1	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	71.7	90.5	93.0	96.5	98.1	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	71.7	90.5	93.0	96.5	98.1	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	71.7	90.5	93.0	96.5	98.1	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	71.7	90.5	93.0	96.5	98.1	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
LOCAL TIME

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 EC90	≥5 GE80	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE16	≥0.5 GE12	≥0.25 GE10	≥0.15 GE08	≥0.1 GE05	≥0.05 GE04	≥0.025 GE03	≥0.01 GE02
NO CEILING	35.5	46.3	48.4	50.4	57.8	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1
≥ 20000	41.3	54.2	56.6	58.8	59.1	59.1	59.2	59.2	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.6
IV 18000	41.3	54.2	56.6	58.8	59.1	59.1	59.2	59.2	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.6
IV 16000	41.3	54.3	56.7	58.9	59.2	59.2	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.7	
IV 14000	43.3	56.3	58.7	61.1	61.4	61.4	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.8	
IV 12000	44.6	58.5	61.1	63.8	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.5
IV 10000	46.0	60.4	63.1	66.1	66.5	66.5	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.9	66.9
IV 9000	48.9	64.2	66.9	70.5	71.1	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.5
IV 8000	50.2	66.0	68.9	73.0	73.5	73.5	73.7	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	74.0
IV 7000	51.7	67.8	71.0	75.3	75.8	75.8	76.1	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.5
IV 6000	52.9	70.2	73.4	77.8	78.4	78.4	78.7	78.7	78.7	78.8	78.8	78.9	78.9	78.9	78.9	79.0
IV 5000	54.5	74.1	77.5	82.0	82.6	82.6	82.9	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.2	83.2
IV 4500	57.2	78.5	82.3	87.3	87.8	87.8	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.5
IV 4000	57.4	78.9	82.7	88.1	88.6	88.6	89.0	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.4
IV 3500	58.4	80.6	84.5	90.0	90.6	90.6	91.1	91.1	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.5
IV 3000	59.4	82.3	86.3	91.9	92.7	92.7	93.4	93.4	93.4	93.5	93.7	93.7	93.8	93.8	93.8	93.9
IV 2500	60.0	83.4	87.5	93.5	94.3	94.3	95.1	95.1	95.1	95.2	95.3	95.3	95.4	95.4	95.4	95.5
IV 2000	61.1	84.7	88.8	94.9	95.8	95.8	96.6	96.6	96.6	96.7	96.8	96.8	96.9	96.9	96.9	97.0
IV 1800	61.6	85.4	89.5	95.6	96.5	96.5	97.2	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.6
IV 1500	62.4	86.2	90.3	96.6	97.4	97.4	98.2	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6
IV 1200	62.6	86.6	90.6	97.1	98.0	98.0	98.7	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.1
IV 1000	62.6	86.6	90.6	97.1	98.0	98.0	98.8	98.8	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.2
IV 900	62.7	86.8	90.9	97.3	98.3	98.3	99.1	99.1	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.6
IV 800	62.7	86.9	91.0	97.4	98.4	98.4	99.2	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.7
IV 700	62.7	87.0	91.1	97.5	98.6	98.6	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9
IV 600	62.7	87.0	91.1	97.5	98.6	98.6	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9
IV 500	62.7	87.0	91.1	97.5	98.6	98.6	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9
IV 400	62.7	87.0	91.1	97.5	98.6	98.6	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9
IV 300	62.7	87.0	91.1	97.5	98.6	98.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0
IV 200	62.7	87.0	91.1	97.5	98.6	98.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0
IV 100	62.7	87.0	91.1	97.5	98.6	98.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0
IV 0	62.7	87.0	91.1	97.5	98.6	98.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.125	≥.1	≥.0625
	GE90	GE90	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE03	GE02	GE01
NO CEILING	37.9	39.3	41.6	44.3	45.2	45.5	46.3	46.6	46.6	46.9	47.0	47.0	47.1	47.1	47.3	47.5	
≥ 20000	36.9	47.2	49.8	53.0	54.1	54.5	55.5	55.8	55.8	56.2	56.3	56.3	56.5	56.5	56.7	56.9	
≥ 18000	37.0	47.3	49.9	53.1	54.2	54.6	55.6	55.9	56.0	56.3	56.4	56.4	56.6	56.6	56.8	57.0	
≥ 16000	37.1	47.3	50.0	53.1	54.2	54.6	55.6	56.0	56.0	56.3	56.4	56.4	56.6	56.6	56.8	57.1	
≥ 14000	37.8	48.3	51.0	54.4	55.5	55.9	56.9	57.2	57.3	57.6	57.7	57.7	57.9	57.9	58.1	58.3	
≥ 12000	39.3	50.3	53.0	56.5	57.6	58.1	59.2	59.5	59.6	59.9	60.0	60.0	60.2	60.2	60.4	60.7	
≥ 10000	40.6	52.1	54.9	58.6	59.8	60.3	61.5	61.8	61.8	62.2	62.3	62.3	62.5	62.5	62.7	63.0	
≥ 9000	42.3	54.4	57.3	61.3	62.5	63.1	64.3	64.6	64.7	65.1	65.2	65.2	65.4	65.4	65.6	65.9	
≥ 8000	43.7	56.3	59.4	63.6	65.0	65.6	66.8	67.2	67.2	67.7	67.8	67.8	67.9	67.9	68.2	68.4	
≥ 7000	45.5	58.8	62.0	66.5	68.0	68.7	70.0	70.4	70.4	70.9	71.0	71.0	71.2	71.2	71.4	71.6	
≥ 6000	46.9	60.8	64.1	68.8	70.6	71.4	72.8	73.2	73.2	73.7	73.8	73.8	74.0	74.0	74.2	74.5	
≥ 5000	48.9	64.3	67.9	73.0	74.9	75.7	77.3	77.7	77.8	78.3	78.4	78.4	78.7	78.7	78.9	79.1	
≥ 4500	50.6	66.7	70.5	75.7	77.8	78.6	80.2	80.7	80.8	81.3	81.5	81.5	81.7	81.7	82.0	82.2	
≥ 4000	51.4	68.0	71.9	77.4	79.6	80.5	82.1	82.6	82.7	83.2	83.4	83.4	83.6	83.6	83.9	84.1	
≥ 3500	52.6	69.8	73.8	79.5	81.8	82.7	84.4	84.8	85.0	85.5	85.7	85.7	85.9	85.9	86.2	86.4	
≥ 3000	53.8	71.7	75.8	81.7	84.2	85.2	87.0	87.5	87.6	88.2	88.4	88.4	88.6	88.6	88.9	89.1	
≥ 2500	54.6	73.3	77.2	83.3	85.9	87.0	88.8	89.3	89.5	90.1	90.3	90.3	90.5	90.5	90.8	91.0	
≥ 2000	55.9	74.5	78.8	85.0	87.7	88.8	90.7	91.3	91.5	92.1	92.3	92.3	92.5	92.5	92.8	93.0	
≥ 1800	56.4	75.2	79.5	85.8	88.5	89.6	91.6	92.2	92.3	92.9	93.1	93.1	93.3	93.3	93.6	93.8	
≥ 1500	56.8	76.0	80.3	86.7	89.5	90.6	92.6	93.2	93.3	94.0	94.1	94.1	94.4	94.4	94.6	94.9	
≥ 1200	57.1	76.6	80.9	87.4	90.2	91.3	93.3	94.0	94.2	94.8	95.0	95.0	95.3	95.3	95.5	95.8	
≥ 1000	57.2	76.8	81.2	87.8	90.6	91.8	93.9	94.6	94.7	95.4	95.6	95.6	95.9	95.9	96.1	96.4	
≥ 900	57.3	77.0	81.3	88.0	90.9	92.1	94.2	94.9	95.1	95.8	95.9	95.9	96.2	96.2	96.5	96.7	
≥ 800	57.3	77.1	81.5	88.1	91.1	92.3	94.4	95.1	95.3	95.9	96.1	96.1	96.4	96.4	96.7	96.9	
≥ 700	57.3	77.2	81.6	88.4	91.4	92.7	94.9	95.6	95.8	96.4	96.6	96.6	96.9	96.9	97.2	97.4	
≥ 600	57.3	77.3	81.8	88.6	91.7	93.0	95.2	96.0	96.2	96.8	97.0	97.0	97.3	97.3	97.6	97.8	
≥ 500	57.4	77.4	81.8	88.7	91.8	93.1	95.4	96.2	96.4	97.1	97.3	97.3	97.6	97.6	97.8	98.1	
≥ 400	57.4	77.4	81.9	88.8	91.9	93.2	95.6	96.5	96.7	97.4	97.6	97.6	97.9	97.9	98.2	98.5	
≥ 300	57.4	77.4	81.9	88.8	91.9	93.2	95.8	96.6	96.8	97.6	97.9	97.9	98.2	98.2	98.5	98.8	
≥ 200	57.4	77.4	81.9	88.8	91.9	93.2	95.8	96.7	96.9	97.7	98.1	98.1	98.5	98.5	98.9	99.2	
≥ 100	57.4	77.4	81.9	88.9	91.9	93.3	95.8	96.7	96.9	97.8	98.1	98.1	98.6	98.6	99.2	99.7	
≥ 0	57.4	77.4	81.9	88.9	91.9	93.3	95.8	96.7	96.9	97.8	98.1	98.1	98.6	98.6	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 7438

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72326C
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
TIME

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05
NO CEILING	31.7	51.4	54.1	56.8	57.9	57.9	58.2	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.7
≥ 20000	36.0	58.1	61.7	64.9	66.6	66.6	67.0	67.1	67.1	67.3	67.3	67.3	67.7	67.7	67.7	67.8
IV ≥ 18000	36.8	58.9	62.8	66.1	67.8	67.8	68.2	68.3	68.3	68.6	68.6	68.6	68.9	68.9	68.9	69.0
IV ≥ 16000	36.8	58.9	62.8	66.1	67.8	67.8	68.2	68.3	68.3	68.6	68.6	68.6	68.9	68.9	68.9	69.0
IV ≥ 14000	37.2	59.4	63.3	66.7	68.3	68.3	68.8	68.9	68.9	69.1	69.1	69.1	69.4	69.4	69.4	69.6
IV ≥ 12000	38.2	61.2	65.3	68.9	70.6	70.6	71.1	71.2	71.2	71.4	71.4	71.4	71.8	71.8	71.8	71.9
IV ≥ 10000	39.9	63.9	68.1	71.8	73.4	73.4	74.0	74.1	74.1	74.3	74.3	74.3	74.7	74.7	74.7	74.8
IV ≥ 9000	40.9	66.1	70.8	74.6	76.2	76.2	76.8	76.9	76.9	77.1	77.1	77.1	77.4	77.4	77.4	77.6
IV ≥ 8000	41.8	67.9	72.6	76.7	78.3	78.3	79.1	79.1	79.1	79.3	79.3	79.3	79.7	79.7	79.7	79.8
IV ≥ 7000	43.2	70.6	75.3	79.8	81.4	81.4	82.1	82.2	82.2	82.4	82.4	82.4	82.8	82.8	82.8	82.9
IV ≥ 6000	43.8	71.4	76.2	80.8	82.6	82.6	83.3	83.4	83.4	83.7	83.7	83.7	84.0	84.0	84.0	84.1
IV ≥ 5000	44.6	74.4	79.4	84.2	86.4	86.4	87.3	87.4	87.4	87.7	87.7	87.7	88.0	88.0	88.0	88.1
IV ≥ 4500	45.6	76.4	81.6	86.4	88.9	88.9	89.9	90.0	90.0	90.2	90.2	90.2	90.6	90.6	90.6	90.7
IV ≥ 4000	46.1	77.6	82.7	87.8	90.2	90.2	91.2	91.4	91.4	91.7	91.7	91.7	92.0	92.0	92.0	92.1
IV ≥ 3500	46.8	78.6	83.7	88.9	91.3	91.4	92.4	92.7	92.7	92.9	92.9	92.9	93.2	93.2	93.2	93.3
IV ≥ 3000	47.3	80.4	85.7	91.0	93.4	93.7	94.7	94.9	94.9	95.1	95.1	95.1	95.4	95.4	95.4	95.6
IV ≥ 2500	47.8	81.4	86.7	92.0	94.4	94.8	95.8	96.0	96.0	96.2	96.2	96.2	96.6	96.6	96.6	96.7
IV ≥ 2000	48.1	82.2	87.4	93.3	95.8	96.1	97.1	97.3	97.3	97.6	97.6	97.6	97.9	97.9	97.9	98.0
IV ≥ 1800	48.1	82.4	87.8	93.7	96.1	96.4	97.4	97.7	97.7	97.9	97.9	97.9	98.2	98.2	98.2	98.3
IV ≥ 1500	48.1	82.6	87.9	93.8	96.2	96.6	97.6	97.8	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.4
IV ≥ 1200	48.4	82.9	88.2	94.1	96.6	96.9	97.9	98.1	98.1	98.3	98.3	98.3	98.7	98.7	98.7	98.8
IV ≥ 1000	48.4	83.0	88.3	94.2	96.7	97.0	98.0	98.2	98.2	98.4	98.4	98.4	98.8	98.8	98.8	98.9
IV ≥ 900	48.4	83.0	88.3	94.2	96.7	97.0	98.0	98.2	98.2	98.4	98.4	98.4	98.8	98.8	98.8	98.9
IV ≥ 800	48.4	83.0	88.3	94.2	96.7	97.0	98.0	98.2	98.2	98.4	98.4	98.4	98.8	98.8	98.8	98.9
IV ≥ 700	48.6	83.2	88.6	94.4	96.9	97.2	98.2	98.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.1
IV ≥ 600	48.6	83.2	88.6	94.4	96.9	97.2	98.2	98.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.1
IV ≥ 500	48.6	83.2	88.6	94.4	96.9	97.2	98.2	98.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.1
IV ≥ 400	48.6	83.2	88.6	94.4	96.9	97.2	98.2	98.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.1
IV ≥ 300	48.6	83.2	88.6	94.4	96.9	97.2	98.2	98.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.1
IV ≥ 200	48.6	83.2	88.6	94.4	96.9	97.2	98.2	98.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.1
IV ≥ 100	48.6	83.2	88.6	94.4	96.9	97.2	98.2	98.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.1
IV ≥ 0	48.6	83.2	88.6	94.4	96.9	97.2	98.2	98.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 64 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

130-0500
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10 GE90	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE40	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥0.75 GE16	≥0.5 GE12	≥0.4 GE10	≥0.3 GE08	≥0.25 GE05	≥0.2 GE04	≥0.15 GE03
NO CEILING	20.0	40.8	44.5	49.5	51.4	51.4	53.3	53.5	53.5	54.1	54.2	54.2	54.4	54.6	55.6	55.7
≥ 20000	22.9	46.3	50.7	55.8	58.1	58.1	60.0	60.3	60.3	61.1	61.2	61.2	61.4	61.6	62.6	62.7
IV 18000	23.2	46.6	51.1	56.2	58.4	58.4	60.3	60.6	60.6	61.4	61.5	61.5	61.7	62.7	63.0	63.1
IV 16000	23.4	46.7	51.2	56.3	58.5	58.5	60.4	60.7	60.7	61.5	61.6	61.6	61.8	62.1	63.1	63.2
IV 14000	23.4	47.2	51.6	56.7	59.0	59.0	60.8	61.2	61.2	62.0	62.1	62.1	62.3	62.5	63.5	63.6
IV 12000	24.2	49.7	54.2	60.0	62.3	62.3	64.4	64.7	64.7	65.5	65.6	65.6	65.9	66.1	67.1	67.2
IV 10000	25.4	52.3	57.0	62.7	65.1	65.1	67.2	67.5	67.5	68.3	68.4	68.4	68.6	68.9	69.9	70.0
IV 9000	26.8	54.5	59.4	65.5	68.0	68.0	70.1	70.4	70.4	71.2	71.3	71.3	71.5	71.7	72.7	72.9
IV 8000	27.5	56.5	61.4	67.5	70.1	70.1	72.2	72.5	72.5	73.4	73.5	73.5	73.7	74.0	75.0	75.1
IV 7000	28.3	58.4	63.3	69.4	72.0	72.0	74.3	74.6	74.6	75.5	75.6	75.6	75.9	76.1	77.1	77.2
IV 6000	28.9	59.4	64.4	70.5	73.2	73.2	75.5	76.0	76.1	76.9	77.0	77.0	77.2	77.4	78.4	78.5
IV 5000	30.1	62.5	67.6	73.7	76.8	76.8	79.1	79.5	79.6	80.4	80.5	80.5	80.8	81.0	82.0	82.2
IV 4500	31.5	65.1	70.3	76.4	79.6	79.6	82.0	82.4	82.5	83.3	83.4	83.4	83.6	83.9	84.9	85.1
IV 4000	31.9	66.0	71.5	78.0	81.3	81.3	83.6	84.1	84.2	85.0	85.1	85.1	85.3	85.5	86.5	86.8
IV 3500	32.4	67.3	72.9	79.4	82.8	82.8	85.1	85.7	85.8	86.5	86.7	86.7	86.9	87.1	88.1	88.3
IV 3000	32.7	68.9	74.6	81.3	84.6	84.6	87.1	87.5	87.7	88.4	88.5	88.5	88.8	89.0	90.0	90.2
IV 2500	33.4	70.9	76.9	83.6	87.0	87.0	89.3	89.9	90.0	90.8	90.9	90.9	91.1	91.3	92.3	92.5
IV 2000	33.8	72.1	78.3	85.5	88.9	88.9	91.2	91.8	91.9	92.7	92.8	92.8	93.0	93.2	94.2	94.4
IV 1800	33.8	72.4	78.6	86.0	89.3	89.3	91.7	92.2	92.3	93.1	93.2	93.2	93.4	93.7	94.7	94.9
IV 1500	33.8	72.5	78.8	86.2	89.5	89.5	92.0	92.5	92.7	93.5	93.7	93.7	93.9	94.1	95.1	95.3
IV 1200	34.6	73.4	79.8	87.2	90.5	90.5	93.0	93.5	93.7	94.5	94.7	94.7	94.9	95.1	96.1	96.3
IV 1000	34.7	73.5	79.9	87.3	90.7	90.8	93.2	93.8	93.9	94.9	95.0	95.0	95.2	95.4	96.4	96.7
IV 900	34.7	73.5	79.9	87.3	90.7	90.9	93.3	93.9	94.0	95.1	95.2	95.2	95.4	95.7	96.7	96.9
IV 800	34.8	73.6	80.0	87.4	90.8	91.0	93.4	94.0	94.1	95.2	95.3	95.3	95.6	95.8	96.8	97.0
IV 700	34.9	73.7	80.1	87.5	90.9	91.1	93.5	94.1	94.2	95.3	95.4	95.4	95.7	95.9	96.9	97.1
IV 600	34.9	73.7	80.2	87.7	91.0	91.2	93.7	94.2	94.3	95.4	95.6	95.6	95.8	96.0	97.0	97.2
IV 500	34.9	73.7	80.3	88.0	91.4	91.7	94.1	94.8	94.9	96.0	96.1	96.1	96.3	96.6	97.6	97.8
IV 400	34.9	73.9	80.4	88.2	91.7	91.9	94.4	95.1	95.2	96.4	96.6	96.6	96.8	97.0	98.0	98.2
IV 300	34.9	73.9	80.4	88.2	91.7	91.9	94.4	95.1	95.3	96.6	96.7	96.7	96.9	97.1	98.1	98.3
IV 200	34.9	73.9	80.4	88.2	91.7	91.9	94.4	95.1	95.8	97.0	97.1	97.1	97.3	97.6	98.6	98.8
IV 100	34.9	73.9	80.4	88.2	91.7	91.9	94.7	95.3	95.9	97.1	97.2	97.2	97.4	97.7	99.0	99.2
IV 0	34.9	73.9	80.4	88.2	91.7	91.9	94.7	95.3	95.9	97.1	97.3	97.3	97.6	97.8	99.3	99.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE10	≥6 GE6	≥5 GE5	≥4 GE4	≥3 GE3	≥2.5 GE2.5	≥2 GE2	≥1.5 GE1.5	≥1 GE1	≥0.5 GE0.5	≥0.25 GE0.25	≥0.15 GE0.15	≥0.1 GE0.1	≥0.05 GE0.05	≥0.025 GE0.025	≥0.01 GE0.01
NO CEILING ≥ 20000	16.2 20.0	27.2 33.9	31.8 38.9	38.0 45.7	43.7 51.7	43.9 51.9	46.7 54.1	46.7 54.8	46.9 55.2	48.2 56.9	48.6 57.2	48.6 57.2	49.2 58.1	49.2 58.1	49.9 59.7	50.2 59.4
≥ 18000	20.0	33.9	38.9	45.7	51.7	51.9	54.1	54.8	55.2	56.9	57.2	57.2	58.1	58.1	59.7	59.4
≥ 16000	20.2	34.1	39.1	45.9	51.9	52.1	54.3	55.0	55.4	57.1	57.4	57.4	58.3	58.3	59.2	59.7
≥ 14000	21.1	35.1	40.1	46.9	52.9	53.1	55.3	56.0	56.4	58.1	58.4	58.4	59.3	59.3	60.2	60.7
≥ 12000	21.7	36.4	41.6	48.8	54.8	55.0	57.3	58.0	58.4	60.1	60.4	60.4	61.3	61.3	62.2	62.7
≥ 10000	22.7	38.9	44.3	51.9	58.3	58.6	61.7	61.8	62.2	64.7	64.3	64.3	65.2	65.2	66.1	66.6
≥ 9000	23.6	40.7	46.2	54.0	61.1	61.3	63.8	64.7	65.1	66.9	67.2	67.2	68.2	68.2	69.1	69.6
≥ 8000	24.6	42.2	47.8	55.7	62.8	63.0	65.4	66.3	66.8	68.6	68.9	68.9	69.9	69.9	70.8	71.2
≥ 7000	25.9	44.0	49.8	57.9	65.3	65.6	68.0	68.9	69.6	71.3	71.7	71.7	72.7	72.7	73.6	74.0
≥ 6000	26.7	45.3	51.4	59.9	67.3	67.6	70.0	71.0	71.8	73.6	73.9	73.9	74.9	74.9	75.8	76.2
≥ 5000	27.4	46.7	52.9	61.4	69.1	69.4	72.7	73.0	73.8	75.7	76.7	76.7	77.0	77.0	77.9	78.3
≥ 4500	27.9	47.6	54.1	63.7	71.3	71.7	74.4	75.6	76.3	78.2	78.6	78.6	79.6	79.6	80.4	80.9
≥ 4000	28.3	48.7	55.4	65.1	73.0	73.3	76.1	77.3	78.1	80.0	80.3	80.3	81.3	81.3	82.2	82.7
≥ 3500	28.7	49.4	56.2	66.2	74.2	74.7	77.7	78.9	79.7	81.7	82.0	82.0	83.0	83.0	83.9	84.3
≥ 3000	29.6	50.6	57.4	67.8	75.9	76.3	79.4	80.8	81.6	83.6	83.9	83.9	84.9	84.9	85.8	86.2
≥ 2500	30.4	51.9	58.9	69.2	77.4	77.9	81.1	82.6	83.3	85.4	85.9	85.9	86.9	86.9	87.8	88.2
≥ 2000	31.2	53.3	60.6	70.9	79.2	79.7	82.9	84.3	85.1	87.3	87.7	87.7	88.7	88.7	89.6	90.0
≥ 1800	31.4	53.8	61.2	71.8	80.1	80.6	84.0	85.4	86.2	88.4	88.8	88.8	89.8	89.8	90.7	91.1
≥ 1500	31.7	54.6	62.7	72.7	81.2	81.7	85.2	86.8	87.6	89.9	90.2	90.2	91.3	91.3	92.2	92.7
≥ 1200	31.9	55.1	62.7	73.6	82.1	82.6	86.4	88.2	89.0	91.4	91.8	91.8	92.9	92.9	93.8	94.2
≥ 1000	32.0	55.3	62.9	74.0	82.6	83.0	86.9	88.7	89.4	91.9	92.2	92.2	93.3	93.3	94.2	94.7
≥ 900	32.0	55.3	62.9	74.0	82.6	83.0	86.9	88.7	89.4	91.9	92.2	92.2	93.3	93.3	94.2	94.7
≥ 800	32.0	55.4	63.1	74.2	82.8	83.2	87.1	89.0	89.8	92.2	92.6	92.6	93.7	93.7	94.6	95.0
≥ 700	32.0	55.6	63.2	74.4	83.0	83.6	87.4	89.3	90.1	92.6	92.9	92.9	94.1	94.1	95.0	95.4
≥ 600	32.0	55.6	63.2	74.4	83.0	83.7	87.6	89.4	90.2	92.8	93.1	93.1	94.3	94.3	95.2	95.7
≥ 500	32.0	55.7	63.3	74.6	83.2	84.0	88.1	90.0	90.8	93.4	93.8	93.8	95.0	95.0	95.9	96.3
≥ 400	32.0	55.7	63.3	74.6	83.2	84.1	88.6	90.6	91.3	94.6	95.0	95.0	96.2	96.2	97.1	97.6
≥ 300	32.0	55.7	63.3	74.7	83.4	84.3	88.8	90.8	91.6	94.8	95.4	95.4	96.7	96.7	97.7	98.1
≥ 200	32.0	55.7	63.3	74.7	83.6	84.4	89.1	91.1	92.0	95.2	96.0	96.0	97.2	97.2	98.3	98.9
≥ 100	32.0	55.7	63.3	74.7	83.6	84.4	89.2	91.2	92.1	95.4	96.2	96.2	97.6	97.6	98.8	99.7
≥ 0	32.0	55.7	63.3	74.7	83.6	84.4	89.2	91.2	92.1	95.4	96.2	96.2	97.6	97.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 12-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267

MCGHEE TYSON AIRPORT TN

74-83

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

900-1100
HOURS - 151

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GE10	GE06	GE05	GE04	GE03	GE02.5	GE02	GE01.5	GE01	GE01	GE01	GE01	GE01	GE01	GE01	GE01
NO CEILING	26.7	42.0	47.1	50.3	52.4	52.9	54.7	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	30.7	48.2	54.2	57.7	59.8	60.3	61.4	61.4	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 18000	30.7	48.2	54.2	57.7	59.8	60.3	61.4	61.4	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 16000	30.7	48.2	54.2	57.7	59.8	60.3	61.4	61.4	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 14000	31.3	49.2	55.6	59.1	61.2	61.8	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	32.9	51.6	57.9	61.4	63.6	64.2	65.3	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	33.8	54.2	60.7	64.2	66.7	67.3	68.4	68.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 9000	34.3	55.0	61.7	65.3	68.2	68.9	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	34.9	55.7	62.3	66.0	69.0	69.8	70.9	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 7000	35.3	56.6	63.2	67.3	70.7	71.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 6000	36.0	57.4	64.3	68.4	71.8	72.7	74.0	74.1	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 5000	37.1	59.6	66.7	70.9	74.2	75.1	76.4	76.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	37.3	60.4	67.7	71.9	75.3	76.2	77.6	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4000	37.6	61.4	68.9	73.3	77.0	78.0	79.3	79.4	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3500	37.9	62.4	70.0	74.7	78.4	79.4	80.8	80.9	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3000	39.6	65.2	73.3	78.2	82.1	83.1	84.6	84.7	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	41.0	67.9	76.0	80.9	84.8	85.8	87.2	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	42.8	70.8	78.9	83.8	87.8	89.0	90.6	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	43.4	71.4	79.6	84.6	88.6	89.8	91.3	91.6	91.8	92.1	92.1	92.1	92.1	92.2	92.2	92.2
IV 1500	43.9	72.6	80.7	85.7	89.7	90.9	92.4	92.8	93.0	93.3	93.3	93.3	93.3	93.4	93.4	93.4
IV 1200	44.4	74.4	82.8	87.9	92.0	93.3	95.0	95.3	95.6	95.9	95.9	95.9	95.9	96.0	96.0	96.0
IV 1000	44.6	74.7	83.2	88.6	92.7	94.2	96.0	96.3	96.6	96.9	96.9	96.9	96.9	97.0	97.0	97.0
IV 900	44.7	75.2	83.8	89.1	93.2	94.8	96.6	96.9	97.1	97.4	97.4	97.4	97.4	97.6	97.6	97.6
IV 800	44.7	75.4	84.0	89.3	93.7	95.8	97.6	98.0	98.2	98.6	98.6	98.6	98.6	98.7	98.7	98.7
IV 700	44.7	75.4	84.1	89.4	94.0	96.1	98.0	98.4	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 600	44.7	75.4	84.1	89.4	94.2	96.3	98.2	98.7	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IV 500	44.7	75.6	84.2	89.6	94.4	96.7	98.6	99.0	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 400	44.7	75.6	84.2	89.6	94.4	96.7	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 300	44.7	75.6	84.2	89.6	94.4	96.7	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	44.7	75.6	84.2	89.6	94.4	96.7	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 100	44.7	75.6	84.2	89.6	94.4	96.7	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 0	44.7	75.6	84.2	89.6	94.4	96.7	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

CEILING VERSUS VISIBILITY

Y2A2

JUN

1200-1400

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) BY 4 EDITIONS OF THE POL. ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72326°
STATION

MC GHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 EQ9.0	≥5 GE8.7	≥4 GE6.0	≥3 GE4.8	≥2.5 GE4.0	≥2 GE3.2	≥1.5 GE2.4	≥1 GE1.6	≥0.75 GE1.2	≥0.5 GE0.9	≥0.25 GE0.5	≥0.1 GE0.3	≥0.05 GE0.1	≥0.02 GE0.05	≥0.01 GE0.02
NO CEILING	39.9	52.7	55.1	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	49.7	64.4	67.3	68.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IN 18000	49.7	64.4	67.3	68.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IN 16000	49.7	64.4	67.3	68.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IN 14000	51.2	66.0	68.9	70.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IN 12000	52.5	68.4	71.5	72.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IN 10000	54.2	70.5	73.9	75.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IN 9000	55.4	72.6	76.4	77.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IN 8000	56.3	74.2	78.7	79.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IN 7000	57.3	75.8	79.6	81.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IN 6000	58.1	76.5	80.5	82.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IN 5000	60.1	79.5	83.6	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IN 4500	60.8	80.9	85.2	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IN 4000	62.6	83.2	87.5	90.2	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 3500	64.3	85.2	89.5	92.3	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IN 3000	64.7	86.2	90.5	93.4	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 2500	65.2	86.9	91.3	94.3	96.2	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IN 2000	65.4	87.2	91.9	95.2	97.1	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IN 1800	65.6	87.7	92.3	96.1	98.0	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IN 1500	65.6	87.7	92.3	96.2	98.3	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IN 1200	65.9	88.0	92.7	96.9	99.0	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 1000	65.9	88.0	92.7	96.9	99.0	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IN 900	65.9	88.0	92.7	96.9	99.0	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IN 800	65.9	88.0	92.7	96.9	99.0	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IN 700	65.9	88.0	92.7	96.9	99.0	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IN 600	65.9	88.0	92.7	97.0	99.1	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IN 500	65.9	88.0	92.7	97.0	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IN 400	65.9	88.0	92.7	97.0	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IN 300	65.9	88.0	92.7	97.0	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IN 200	65.9	88.0	92.7	97.0	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IN 100	65.9	88.0	92.7	97.0	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IN 0	65.9	88.0	92.7	97.0	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

74-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-2-2000

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE9	≥6 GE90	≥5 GE87	≥4 GE60	≥3 GE48	≥2 GE40	≥2 GE32	≥1.5 GE24	≥1 GE22	≥1 GE16	≥1 GE14	≥1 GE12	≥1 GE10	≥1 GE80	≥1 GE65	≥1 GE54
NO CEILING	39.4	51.6	53.8	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	51.6	66.6	69.8	71.3	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000	51.6	66.6	69.8	71.3	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	51.6	66.6	69.8	71.3	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000	53.0	68.3	71.9	73.4	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 12000	54.7	70.4	74.2	76.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	56.6	72.9	77.1	79.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 9000	57.9	75.8	80.0	82.2	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	59.6	78.0	82.2	84.6	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 7000	60.3	79.1	83.3	85.7	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	60.7	79.8	84.3	86.8	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 5000	61.2	81.2	85.9	88.3	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4500	62.1	82.4	87.1	90.1	92.3	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4000	62.8	83.3	88.0	91.1	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9
≥ 3500	63.6	84.8	89.7	92.8	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6
≥ 3000	64.7	86.4	91.4	94.8	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 2500	65.3	87.1	92.1	95.6	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 2000	65.7	87.4	92.4	95.9	98.1	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 1800	65.7	87.4	92.4	95.9	98.1	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 1500	65.7	87.4	92.4	95.9	98.2	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 1200	65.9	87.7	92.7	96.2	98.4	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 1000	65.9	87.7	92.7	96.2	98.4	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 900	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 800	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 700	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 600	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 500	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	66.0	88.1	93.1	96.7	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN
STATION STATION NAME

74-87
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 EC90	≥5 GE80	≥4 GE60	≥3 GE40	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE16	≥0.5 GE8	≥0.25 GE4	≥0.1 GE2	≥0.05 GE1	≥0.025 GE0.5	≥0.01 GE0.25	≥0.005 GE0.1
NO CEILING	37.2	51.9	54.0	55.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	43.1	60.7	63.4	65.8	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	43.2	60.8	63.6	65.9	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	43.3	60.9	63.7	66.0	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 14000	45.1	63.1	66.1	68.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 12000	45.7	64.0	67.3	69.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	47.0	67.0	70.3	73.4	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	47.9	69.2	72.7	76.4	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 8000	49.0	71.0	74.6	78.4	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 7000	50.7	73.4	77.3	81.3	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 6000	51.9	75.3	79.2	83.3	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 5000	54.1	78.7	82.9	87.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	55.8	80.9	85.1	89.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	56.6	82.3	86.7	91.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3500	57.3	83.7	88.2	92.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	58.0	84.4	89.2	94.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	56.8	85.3	90.2	95.1	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	58.9	85.4	90.4	95.4	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	59.0	85.6	90.7	95.7	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	59.1	85.8	90.9	95.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	59.3	86.0	91.2	96.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	59.3	86.0	91.2	96.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	59.3	86.0	91.2	96.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	59.3	86.0	91.2	96.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	59.3	86.1	91.3	96.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	59.3	86.1	91.3	96.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	59.3	86.1	91.3	96.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	59.3	86.1	91.3	96.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	59.3	86.1	91.3	96.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	59.3	86.1	91.3	96.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	59.3	86.1	91.3	96.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	59.3	86.1	91.3	96.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCBHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE90	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥1 GE16	≥.75 GE12	≥.5 GE10	≥.25 GE08	≥.16 GE05	≥.1 GE04	≥.05 GE02
NO CEILING	31.1	46.7	49.2	52.0	53.8	53.9	54.7	54.8	54.8	55.1	55.2	55.2	55.3	55.3	55.5	55.6
≥ 20000	37.3	54.7	58.6	61.8	63.9	64.7	64.8	64.9	65.7	65.4	65.4	65.4	65.6	65.6	65.9	66.0
≥ 18000	37.5	54.9	58.8	62.0	64.1	64.2	65.7	65.2	65.2	65.6	65.6	65.6	65.8	65.9	66.1	66.2
≥ 16000	37.5	55.0	58.9	62.1	64.2	64.3	65.1	65.2	65.3	65.7	65.7	65.7	65.9	65.9	66.2	66.3
≥ 14000	38.4	56.1	60.1	63.3	65.5	65.6	66.4	66.5	66.6	66.9	67.7	67.0	67.2	67.2	67.4	67.5
≥ 12000	39.5	57.9	62.1	65.6	67.8	67.9	68.8	68.9	69.0	69.3	69.4	69.4	69.6	69.6	69.8	69.9
≥ 10000	40.9	60.5	64.9	68.4	70.8	71.0	71.8	72.0	72.0	72.4	72.5	72.5	72.7	72.7	72.9	73.0
≥ 9000	42.0	62.5	67.1	70.9	73.5	73.7	74.5	74.7	74.8	75.1	75.2	75.2	75.4	75.4	75.7	75.7
≥ 8000	42.9	64.1	68.8	72.6	75.3	75.5	76.4	76.5	76.6	77.0	77.0	77.0	77.2	77.3	77.5	77.6
≥ 7000	43.9	65.7	70.5	74.6	77.3	77.5	78.4	78.6	78.7	79.1	79.1	79.1	79.3	79.3	79.6	79.7
≥ 6000	44.6	66.7	71.7	75.9	78.7	78.9	79.8	80.1	80.2	80.6	80.6	80.6	80.8	80.8	81.1	81.2
≥ 5000	45.8	69.1	74.2	78.5	81.6	81.7	82.7	83.0	83.1	83.5	83.5	83.5	83.7	83.8	84.0	84.1
≥ 4500	46.7	70.7	75.9	80.4	83.5	83.7	84.8	85.0	85.1	85.5	85.6	85.6	85.8	85.8	86.0	86.1
≥ 4000	47.5	72.1	77.5	82.2	85.5	85.7	86.7	87.0	87.1	87.5	87.6	87.6	87.8	87.8	88.1	88.1
≥ 3500	48.3	73.5	78.9	83.7	87.1	87.3	88.4	88.7	88.8	89.2	89.3	89.3	89.5	89.6	89.8	89.9
≥ 3000	49.3	75.4	81.7	86.0	89.5	89.7	90.9	91.2	91.3	91.7	91.8	91.8	92.0	92.0	92.3	92.4
≥ 2500	50.2	76.9	82.6	87.6	91.1	91.4	92.6	92.9	93.7	93.5	93.6	93.6	93.8	93.8	94.0	94.1
≥ 2000	50.9	78.0	83.8	89.1	92.6	93.0	94.2	94.5	94.7	95.1	95.2	95.2	95.4	95.4	95.7	95.7
≥ 1800	51.1	78.4	84.3	89.7	93.2	93.5	94.8	95.1	95.3	95.7	95.8	95.8	96.0	96.0	96.3	96.4
≥ 1600	51.2	78.8	84.7	90.2	93.8	94.1	95.4	95.7	95.9	96.3	96.4	96.4	96.7	96.7	96.9	97.0
≥ 1400	51.5	79.4	85.3	90.9	94.5	94.8	96.2	96.6	96.7	97.2	97.2	97.2	97.5	97.5	97.8	97.9
≥ 1200	51.6	79.5	85.5	91.1	94.7	95.1	96.5	96.9	97.0	97.6	97.6	97.6	97.9	97.9	98.1	98.2
≥ 1000	51.6	79.6	85.6	91.3	94.9	95.3	96.7	97.0	97.2	97.7	97.8	97.8	98.0	98.1	98.3	98.4
IV 900	51.6	79.7	85.7	91.3	95.0	95.4	96.8	97.2	97.4	97.9	98.0	98.0	98.2	98.2	98.5	98.6
IV 800	51.6	79.7	85.8	91.4	95.1	95.6	97.0	97.4	97.5	98.1	98.1	98.1	98.4	98.4	98.7	98.8
IV 700	51.6	79.7	85.8	91.5	95.1	95.6	97.1	97.4	97.6	98.2	98.2	98.2	98.5	98.5	98.7	98.8
IV 600	51.6	79.8	85.8	91.6	95.3	95.8	97.2	97.7	97.8	98.4	98.4	98.4	98.7	98.7	99.0	99.1
IV 500	51.6	79.8	85.8	91.6	95.3	95.8	97.4	97.8	98.7	98.6	98.7	98.7	99.0	99.0	99.2	99.3
IV 400	51.6	79.8	85.8	91.6	95.3	95.9	97.4	97.8	98.7	98.7	98.8	98.8	99.1	99.1	99.3	99.4
IV 300	51.6	79.8	85.8	91.6	95.3	95.9	97.5	98.0	98.2	98.9	99.0	99.0	99.2	99.3	99.6	99.7
IV 200	51.6	79.8	85.8	91.6	95.3	95.9	97.6	98.0	98.2	98.9	99.0	99.0	99.3	99.4	99.7	99.9
IV 100	51.6	79.8	85.8	91.6	95.3	95.9	97.6	98.0	98.2	98.9	99.0	99.0	99.3	99.4	99.7	99.9
IV 0	51.6	79.8	85.8	91.6	95.3	95.9	97.6	98.0	98.2	98.9	99.0	99.0	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

74-83

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
MOON

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GT9	EC90	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE02
NO CEILING	19.6	37.0	47.0	56.8	59.1	59.5	60.5	60.6	60.8	60.9	61.0	61.0	61.2	61.2	61.2	61.2
≥ 20000	21.8	40.5	51.8	62.5	65.2	65.5	67.0	67.1	67.2	67.3	67.4	67.4	67.6	67.6	67.6	67.6
≥ 18000	21.8	40.5	51.8	62.5	65.2	65.5	67.0	67.1	67.2	67.3	67.4	67.4	67.6	67.6	67.6	67.6
≥ 16000	21.9	40.6	52.0	62.9	65.6	65.9	67.4	67.5	67.6	67.7	67.8	67.8	68.1	68.1	68.1	68.1
≥ 14000	22.4	41.4	52.8	63.7	66.5	66.8	68.3	68.4	68.5	68.6	68.7	68.7	68.9	68.9	68.9	68.9
≥ 12000	23.7	43.1	54.9	66.1	68.9	69.2	70.8	70.9	71.0	71.1	71.2	71.2	71.4	71.4	71.4	71.4
≥ 10000	24.3	44.3	56.3	68.2	71.0	71.3	72.8	72.9	73.0	73.1	73.2	73.2	73.4	73.4	73.7	73.7
≥ 9000	24.5	45.7	58.1	71.0	74.0	74.3	75.8	75.9	76.0	76.1	76.2	76.2	76.5	76.5	76.7	76.7
≥ 8000	24.9	47.1	59.9	73.1	76.1	76.5	78.0	78.1	78.2	78.3	78.4	78.4	78.6	78.6	78.8	78.8
≥ 7000	25.9	48.9	62.5	76.0	79.0	79.4	80.9	81.0	81.1	81.2	81.4	81.4	81.6	81.6	81.8	81.8
≥ 6000	26.1	49.5	63.1	76.8	79.8	80.1	81.6	81.7	81.8	81.9	82.2	82.2	82.4	82.4	82.6	82.6
≥ 5000	27.1	51.6	66.3	81.0	84.0	84.3	85.9	86.1	86.2	86.3	86.6	86.6	86.9	86.9	87.1	87.1
≥ 4500	27.7	53.7	68.6	83.7	86.7	87.0	88.6	88.8	88.9	89.0	89.2	89.2	89.6	89.6	89.8	89.8
≥ 4000	28.6	55.3	70.4	85.5	88.5	88.8	90.4	90.6	90.8	90.9	91.1	91.1	91.4	91.4	91.6	91.6
≥ 3500	29.5	57.1	72.6	88.0	91.2	91.5	93.1	93.3	93.4	93.7	93.9	93.9	94.2	94.2	94.4	94.4
≥ 3000	29.7	57.7	73.3	88.9	92.2	92.5	94.1	94.3	94.4	94.6	94.8	94.8	95.2	95.2	95.4	95.4
≥ 2500	30.1	58.4	74.1	90.2	93.4	93.8	95.5	95.7	95.8	96.0	96.2	96.2	96.7	96.7	96.9	96.9
≥ 2000	30.2	58.8	74.5	90.8	94.0	94.3	96.0	96.2	96.3	96.6	96.8	96.8	97.2	97.2	97.4	97.4
≥ 1800	30.3	58.9	74.6	91.0	94.2	94.5	96.2	96.5	96.6	96.8	97.0	97.0	97.4	97.4	97.6	97.6
≥ 1500	30.3	59.1	74.8	91.2	94.4	94.7	96.5	96.7	96.8	97.0	97.2	97.2	97.6	97.6	97.8	97.8
≥ 1200	30.4	59.2	74.9	91.3	94.5	94.8	96.6	96.8	96.9	97.1	97.3	97.3	97.7	97.7	98.0	98.0
≥ 1000	30.4	59.2	74.9	91.3	94.5	94.8	96.6	96.8	96.9	97.1	97.3	97.3	97.7	97.7	98.0	98.0
≥ 900	30.4	59.4	75.1	91.4	94.8	95.2	96.9	97.1	97.2	97.4	97.6	97.6	98.1	98.1	98.3	98.3
≥ 800	30.4	59.4	75.1	91.4	94.8	95.2	96.9	97.1	97.2	97.4	97.6	97.6	98.1	98.1	98.3	98.3
≥ 700	30.4	59.4	75.1	91.6	95.2	95.5	97.2	97.4	97.5	97.7	98.0	98.0	98.4	98.4	98.6	98.6
≥ 600	30.4	59.4	75.1	91.7	95.4	95.7	97.5	97.7	97.8	98.1	98.3	98.3	98.7	98.7	98.9	98.9
≥ 500	30.4	59.4	75.1	91.7	95.4	95.7	97.6	97.8	98.0	98.2	98.4	98.4	98.8	98.8	99.0	99.0
≥ 400	30.4	59.4	75.1	91.7	95.4	95.7	97.6	97.8	98.0	98.2	98.4	98.4	98.8	98.8	99.0	99.0
≥ 300	30.4	59.4	75.2	92.0	95.7	96.0	98.0	98.2	98.5	98.7	98.9	99.1	99.1	99.1	99.4	99.4
≥ 200	30.4	59.4	75.2	92.0	95.7	96.0	98.0	98.2	98.5	98.7	98.9	99.1	99.1	99.1	99.4	99.4
≥ 100	30.4	59.4	75.2	92.0	95.7	96.0	98.0	98.2	98.5	98.7	98.9	99.1	99.1	99.1	99.4	99.4
≥ 0	30.4	59.4	75.2	92.0	95.7	96.0	98.0	98.2	98.5	98.7	98.9	99.1	99.1	99.1	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

74-87

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7300-6500

CEILING FEET	VISIBILITY: STATUTE MILES															
	OR (HUNDREDS OF METERS)															
1000	14.1	28.7	37.6	50.3	53.4	54.7	56.7	57.3	58.1	58.2	58.2	58.8	59.3	59.5	59.7	
800	15.6	31.4	41.2	54.8	58.1	58.6	61.4	62.7	62.7	62.8	62.9	62.9	63.5	63.8	64.2	64.4
600	15.8	31.6	41.4	55.1	58.3	58.8	61.6	62.3	62.7	63.0	63.1	63.1	63.8	64.0	64.4	64.6
400	15.9	31.7	41.5	55.2	58.4	58.9	61.7	62.4	62.4	63.1	63.2	63.2	63.9	64.1	64.5	64.7
200	16.7	32.6	42.5	56.1	59.5	60.0	62.8	63.4	63.4	64.2	64.3	64.3	64.9	65.2	65.6	65.8
100	17.7	34.2	44.3	58.5	61.8	62.4	65.3	66.0	66.0	66.8	66.9	66.9	67.5	67.7	68.2	68.4
50	18.3	35.2	45.5	60.3	63.4	64.4	67.3	68.2	68.2	69.0	69.1	69.1	69.9	70.1	70.5	70.8
25	19.2	36.3	47.1	62.4	66.0	66.6	69.5	70.4	70.4	71.3	71.4	71.4	72.2	72.4	72.8	73.0
15	19.7	36.7	47.5	62.9	66.7	67.2	70.1	71.1	71.1	71.9	72.0	72.0	72.8	73.0	73.4	73.7
10	19.6	36.6	47.4	62.8	66.6	67.1	70.0	71.0	71.0	71.8	71.9	71.9	72.7	72.9	73.3	73.6
5	20.2	39.5	50.5	66.6	70.4	71.0	73.9	74.8	74.8	75.7	75.8	75.8	76.6	76.8	77.2	77.4
2	21.0	41.2	52.5	69.4	73.4	74.0	76.9	78.0	78.0	78.9	79.0	79.0	79.8	80.0	80.4	80.6
1	21.5	42.5	54.3	71.8	76.4	76.6	79.5	80.5	80.5	81.5	81.6	81.6	82.4	82.6	83.0	83.2
0	22.0	44.0	56.0	73.5	77.7	78.3	81.2	82.3	82.3	83.2	83.3	83.3	84.1	84.3	84.7	84.9
1000	22.4	44.5	56.5	74.5	78.8	79.4	82.5	83.5	83.5	84.5	84.6	84.6	85.4	85.6	86.0	86.2
800	22.8	45.6	58.0	76.8	81.1	81.6	84.7	85.8	85.8	86.8	86.9	86.9	87.6	87.8	88.3	88.5
600	23.7	46.9	59.4	78.6	82.9	83.4	86.5	87.5	87.5	88.5	88.6	88.6	89.3	89.5	90.0	90.2
400	23.9	47.4	60.0	79.7	84.0	84.5	87.6	88.6	88.6	89.6	89.7	89.7	90.4	90.6	91.1	91.3
200	23.9	47.4	60.0	80.1	84.4	84.9	88.0	89.0	89.0	90.0	90.1	90.1	90.8	91.0	91.5	91.7
100	23.9	47.7	60.4	80.6	84.9	85.5	88.6	89.6	89.6	90.6	90.7	90.7	91.4	91.6	92.1	92.3
50	24.1	48.2	60.9	81.3	85.6	86.1	89.2	90.2	90.2	91.2	91.3	91.3	92.0	92.2	92.7	92.9
25	24.1	48.5	61.2	81.9	86.2	86.8	89.9	90.9	90.9	91.9	92.0	92.0	92.7	92.9	93.4	93.6
15	24.1	48.6	61.3	82.4	86.7	87.2	90.3	91.3	91.3	92.3	92.4	92.4	93.1	93.3	93.8	94.0
10	24.2	48.7	61.4	82.9	87.2	87.7	90.8	91.8	91.8	92.8	92.9	92.9	93.6	93.8	94.3	94.5
5	24.2	48.7	61.4	82.9	87.2	87.7	90.8	91.8	91.8	92.8	92.9	92.9	93.6	93.8	94.3	94.5
2	24.2	48.7	61.4	82.9	87.2	87.7	90.8	91.8	91.8	92.8	92.9	92.9	93.6	93.8	94.3	94.5
1	24.2	48.7	61.4	82.9	87.2	87.7	90.8	91.8	91.8	92.8	92.9	92.9	93.6	93.8	94.3	94.5
0	24.2	48.7	61.4	82.9	87.2	87.7	90.8	91.8	91.8	92.8	92.9	92.9	93.6	93.8	94.3	94.5

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260

MC GHEE TYSON AIRPORT TN

74-83

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-6000
FOOT FEET

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	12.1	18.5	21.1	30.4	36.0	40.2	47.6	50.1	50.8	52.1	52.2	52.2	52.9	52.9	53.8	54.1
≥ 20000	14.6	22.6	25.3	35.6	41.8	46.1	53.7	56.2	56.9	58.3	58.4	58.4	59.2	59.2	60.2	60.5
IV 18000	14.6	22.6	25.3	35.6	41.8	46.1	53.7	56.2	56.9	58.3	58.4	58.4	59.2	59.2	60.2	60.5
IV 16000	14.6	22.6	25.3	35.6	41.8	46.1	53.7	56.2	56.9	58.3	58.4	58.4	59.2	59.2	60.2	60.5
IV 14000	14.7	22.9	25.8	36.2	42.5	46.8	54.5	56.9	57.7	59.1	59.2	59.2	60.0	60.0	60.9	61.2
IV 12000	15.0	23.4	26.6	37.7	44.1	48.4	56.3	58.9	59.6	61.0	61.1	61.1	61.9	61.9	62.9	63.3
IV 10000	15.4	24.0	27.4	38.6	45.9	50.5	58.7	61.2	62.7	63.4	63.5	63.5	64.3	64.3	65.2	65.7
IV 9000	16.4	25.4	29.3	40.5	47.8	52.4	60.8	63.6	64.4	65.8	65.9	65.9	66.7	66.7	67.7	68.1
IV 8000	16.9	26.2	30.0	41.3	48.7	53.3	61.9	64.8	65.6	67.1	67.2	67.2	68.0	68.0	69.0	69.4
IV 7000	17.5	27.1	31.6	43.2	50.5	55.3	64.3	67.2	67.9	69.4	69.5	69.5	70.4	70.4	71.4	71.8
IV 6000	17.9	28.0	32.7	44.5	51.9	56.9	66.0	68.9	69.6	71.2	71.3	71.3	72.1	72.1	73.1	73.5
IV 5000	18.6	29.3	34.1	46.3	53.8	58.9	67.9	70.8	71.6	73.1	73.2	73.2	74.1	74.1	75.1	75.5
IV 4500	19.4	30.7	35.5	47.9	55.8	60.8	70.1	73.0	73.7	75.6	75.7	75.7	76.5	76.5	77.5	77.9
IV 4000	19.9	31.3	36.5	49.1	57.2	62.3	71.9	74.8	75.6	77.4	77.5	77.5	78.4	78.4	79.3	79.8
IV 3500	20.3	32.0	37.4	50.3	58.7	63.8	73.6	76.6	77.4	79.2	79.3	79.3	80.2	80.2	81.2	81.6
IV 3000	20.8	33.2	38.9	52.1	60.7	66.3	76.4	79.5	80.3	82.2	82.3	82.3	83.2	83.2	84.2	84.6
IV 2500	21.2	33.7	39.5	53.0	61.8	67.6	77.8	81.1	81.8	83.7	83.9	83.9	84.7	84.7	85.7	86.1
IV 2000	21.6	34.2	40.2	54.4	63.5	69.4	79.9	83.1	83.9	85.8	85.9	85.9	86.8	86.8	87.7	88.2
IV 1800	21.7	34.3	40.4	54.7	63.8	69.8	80.3	83.5	84.3	86.2	86.3	86.3	87.2	87.2	88.2	88.6
IV 1500	21.7	34.9	40.9	55.2	64.4	70.5	81.1	84.4	85.1	87.1	87.2	87.2	88.1	88.1	89.0	89.5
IV 1200	21.7	34.9	41.1	55.7	64.8	70.9	81.7	85.1	85.9	87.9	88.1	88.1	88.9	88.9	89.9	90.3
IV 1000	21.9	35.2	41.4	56.3	65.6	71.8	82.7	86.2	87.0	89.2	89.3	89.3	90.2	90.2	91.2	91.6
IV 900	21.9	35.3	41.6	56.5	65.8	72.0	83.1	86.7	87.4	89.8	89.9	89.9	90.7	90.7	91.7	92.1
IV 800	21.9	35.4	41.7	56.6	65.9	72.2	83.3	86.9	87.6	90.0	90.1	90.1	91.0	91.0	91.9	92.4
IV 700	21.9	35.4	41.8	56.7	66.0	72.4	83.6	87.3	88.1	90.4	90.5	90.5	91.4	91.4	92.4	92.8
IV 600	21.9	35.4	41.8	56.9	66.2	72.8	84.3	87.9	88.7	91.3	91.4	91.4	92.2	92.2	93.2	93.6
IV 500	21.9	35.6	42.1	57.6	67.0	74.0	85.7	89.5	90.2	93.0	93.1	93.1	94.0	94.0	95.0	95.5
IV 400	21.9	35.6	42.1	57.7	67.1	74.2	86.3	90.2	91.1	94.1	94.2	94.2	95.0	95.0	96.1	96.6
IV 300	21.9	35.6	42.2	57.9	67.4	74.6	87.0	91.0	91.8	95.2	95.3	95.3	96.4	96.4	98.0	98.4
IV 200	21.9	35.6	42.2	57.9	67.4	74.6	87.0	91.0	91.8	95.4	95.6	95.6	97.0	97.0	98.6	99.5
IV 100	21.9	35.6	42.2	57.9	67.4	74.6	87.0	91.0	91.8	95.4	95.7	95.7	97.2	97.2	98.8	99.7
IV 0	21.9	35.6	42.2	57.9	67.4	74.6	87.0	91.0	91.8	95.4	95.7	95.7	97.2	97.2	98.8	99.7

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-1100
SOLAR TIME

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ9C	≥3 GE8	≥1 GE6C	≥3 GE4B	≥2 GE4C	≥2 GE32	≥1 GE24	≥1 GE2	≥1 GE16	≥1 GE12	≥1 GE10	≥1 GE08	≥1 GE05	≥1 GE04	≥0 GE0
NO CEILING	18.8	28.5	34.1	44.1	51.9	53.1	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	20.3	31.5	38.0	48.8	57.3	58.8	61.1	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	20.3	31.5	38.0	48.8	57.3	58.8	61.1	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	20.3	31.9	38.3	49.1	57.6	59.1	61.5	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000	20.5	32.1	38.5	49.5	58.0	59.5	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	21.0	33.3	39.7	50.7	59.4	61.3	63.5	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000	21.2	33.6	40.2	51.6	60.9	62.6	65.2	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	22.4	34.9	42.0	53.6	63.3	65.0	67.7	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000	23.5	36.1	43.4	55.1	64.8	66.6	69.6	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	24.1	37.2	44.9	56.7	66.7	68.6	71.9	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	24.9	38.2	46.0	58.2	68.5	70.3	73.6	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	25.5	40.0	48.2	60.9	71.6	73.4	76.7	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	26.3	41.2	50.1	62.9	73.6	75.5	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	26.7	42.4	51.7	65.1	76.2	78.0	81.6	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3500	27.1	42.9	52.3	65.9	77.1	78.9	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	27.7	44.6	54.0	68.0	79.4	81.3	85.1	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	28.4	46.2	55.9	70.1	81.7	83.5	87.5	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	29.4	48.0	57.9	72.4	84.3	86.3	90.4	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	29.7	48.4	58.4	73.2	85.5	87.5	91.6	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	29.9	49.1	59.5	74.4	87.0	89.2	93.4	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	29.9	49.4	60.0	75.0	87.9	90.3	94.8	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	29.9	49.5	60.1	75.1	88.4	91.1	95.6	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	30.0	49.7	60.3	75.5	88.7	91.4	96.0	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	30.0	49.9	60.5	75.7	88.9	91.7	96.3	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	30.0	49.9	60.6	75.8	89.0	91.8	96.4	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	30.0	50.2	60.8	76.2	89.5	92.6	97.5	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	30.0	50.2	60.8	76.2	89.5	92.7	97.7	98.6	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 400	30.0	50.3	61.0	76.4	89.8	93.0	98.2	99.0	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 300	30.0	50.3	61.0	76.4	89.8	93.0	98.3	99.2	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	30.0	50.3	61.0	76.4	89.8	93.0	98.3	99.2	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	30.0	50.3	61.0	76.4	89.8	93.0	98.3	99.2	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	30.0	50.3	61.0	76.4	89.8	93.0	98.3	99.2	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723265
STATION

MC GHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.9	≥6 EG9.0	≥5 GF8.7	≥4 GE6.0	≥3 GE4.8	≥2.5 GE4.0	≥2 GE3.2	≥1.5 GE2.4	≥1 GE1.6	≥.75 GE1.2	≥.5 GE1.0	≥.25 GE.75	≥.15 GE.5	≥.1 GE.4	≥.05 GE.3	≥.01 GE.1
NO CEILING	22.2	36.0	43.7	50.5	55.8	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	25.6	41.1	49.1	56.8	62.7	63.3	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 18000	25.6	41.1	49.1	56.8	62.7	63.3	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 16000	25.6	41.3	49.4	57.0	62.9	63.5	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000	25.8	41.6	50.0	57.6	63.5	64.2	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 12000	27.2	43.1	51.7	59.4	65.4	66.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	27.8	45.2	54.1	62.2	68.3	69.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 9000	28.9	46.5	55.5	63.5	69.7	70.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	29.5	47.5	56.8	64.9	71.3	72.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 7000	30.0	48.5	58.1	66.2	72.6	73.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 6000	30.5	49.7	59.4	67.6	74.0	74.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 5000	31.9	52.0	61.9	70.4	77.0	77.8	79.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 4500	32.9	53.7	63.7	72.5	79.0	79.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	34.2	55.8	66.7	74.9	81.6	82.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	35.4	58.0	68.5	77.6	84.5	85.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	36.3	59.8	70.6	80.1	87.0	87.8	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	37.6	62.4	73.8	83.4	90.8	91.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	38.9	64.1	76.0	86.6	93.9	95.3	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800	39.1	64.4	76.3	87.1	94.4	95.8	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	39.1	64.6	76.7	87.4	94.8	96.2	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	39.2	64.9	77.0	87.8	95.3	96.7	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	39.4	65.1	77.1	88.1	95.5	96.9	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	39.4	65.1	77.1	88.1	95.5	96.9	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	39.4	65.1	77.2	88.2	95.6	97.0	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	39.4	65.1	77.3	88.3	95.7	97.1	99.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	39.4	65.1	77.3	88.3	95.7	97.1	99.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	39.4	65.1	77.3	88.3	95.7	97.1	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	39.4	65.1	77.3	88.4	95.8	97.2	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	39.4	65.1	77.3	88.4	95.8	97.2	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	39.4	65.1	77.3	88.4	95.8	97.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	39.4	65.1	77.3	88.4	95.8	97.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	39.4	65.1	77.3	88.4	95.8	97.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10 GE90	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE40	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥0.75 GE16	≥0.5 GE12	≥0.25 GE08	≥0.15 GE05	≥0.1 GE04	≥0.05 GE02	≥0.02 GE01				
NO CEILING	21.8	37.0	44.9	50.0	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	27.2	44.2	52.9	59.4	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	27.2	44.2	52.9	59.4	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	27.2	44.2	52.9	59.4	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	27.6	44.7	53.5	60.0	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	29.0	46.6	55.9	62.8	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 10000	30.1	48.6	58.2	65.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	31.4	50.1	59.8	67.2	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 8000	31.6	50.8	60.4	68.3	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	32.8	52.3	61.9	70.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000	34.1	54.1	63.9	72.3	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	35.7	57.5	68.2	76.7	80.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	37.3	60.2	71.0	79.9	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	39.4	63.1	74.0	83.3	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500	40.2	65.5	76.6	86.1	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	41.4	68.2	79.2	89.2	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	41.8	69.8	81.0	91.0	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	42.2	70.3	81.7	91.8	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	42.3	70.4	81.9	92.0	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	42.3	70.4	82.2	92.3	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	42.7	71.0	82.7	92.8	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	42.7	71.1	82.8	92.9	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	42.7	71.1	82.9	93.0	97.8	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	42.7	71.1	82.9	93.0	97.8	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	42.7	71.1	82.9	93.0	97.8	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	42.7	71.1	83.0	93.2	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	42.7	71.1	83.0	93.2	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	42.7	71.1	83.0	93.2	98.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	42.7	71.1	83.0	93.2	98.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	42.7	71.1	83.0	93.2	98.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	42.7	71.1	83.0	93.2	98.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	42.7	71.1	83.0	93.2	98.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18-0-2000
YEAR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GE10	GE06	GE05	GE04	GE03	GE02	GE02	GE01	GE01	GE01	GE01	GE01	GE01	GE01	GE01	GE01
NO CEILING	23.1	37.3	46.0	50.6	52.4	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	28.6	46.5	57.5	64.4	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	28.6	46.5	57.5	64.4	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 16000	28.6	46.5	57.5	64.4	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	29.6	47.7	58.9	66.0	68.7	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 12000	32.5	51.8	63.7	71.4	74.3	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	33.9	54.5	67.1	74.8	77.8	77.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 9000	35.7	56.9	69.6	77.6	80.8	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	36.6	58.8	71.7	79.9	83.0	83.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 7000	38.0	61.2	74.6	83.3	86.6	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	38.6	61.9	75.4	84.1	87.4	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 5000	40.6	65.1	78.5	87.2	90.5	90.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	41.9	66.9	80.4	89.2	92.8	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 4000	42.9	68.6	82.4	91.2	94.7	94.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	43.2	69.4	83.1	91.9	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 3000	43.8	70.3	84.4	93.3	96.9	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	44.0	70.6	84.8	93.8	97.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	44.0	70.6	84.8	93.8	97.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	44.1	71.0	85.4	94.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	44.1	71.0	85.4	94.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	44.2	71.1	85.6	94.9	98.5	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	44.2	71.1	85.6	94.9	98.6	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	44.2	71.1	85.6	94.9	98.6	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	44.2	71.1	85.6	94.9	98.6	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	44.2	71.1	85.6	94.9	98.6	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	44.2	71.1	85.6	94.9	98.6	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	44.2	71.1	85.6	94.9	98.6	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	44.2	71.1	85.6	94.9	98.6	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	44.3	71.4	85.9	95.3	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	44.3	71.4	85.9	95.3	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	44.3	71.4	85.9	95.3	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	44.3	71.4	85.9	95.3	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-2300
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)																		
	≥10 GE90	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE48	≥2 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥1 GE16	≥1 GE12	≥1 GE10	≥1 GE08	≥1 GE05	≥1 GE04	≥1 GE03	≥1 GE02	≥1 GE01	≥1 GE00
NO CEILING	20.9	37.5	47.5	54.9	56.8	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	24.9	44.8	56.7	65.4	67.5	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	24.9	44.9	56.8	65.5	67.6	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000	25.1	45.1	56.9	65.6	68.0	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 14000	25.8	46.2	58.3	67.3	69.7	69.9	71.3	70.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	28.1	49.4	61.5	70.8	73.1	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 10000	29.0	51.5	64.1	73.8	76.3	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 9000	30.3	54.5	67.6	77.3	80.2	80.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 8000	30.8	55.6	68.8	78.7	81.6	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000	32.4	56.0	71.6	82.0	84.9	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 6000	32.8	58.9	72.7	83.1	86.3	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	34.7	62.2	76.3	87.2	90.4	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4500	36.6	64.5	78.9	89.9	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4000	37.3	65.9	81.5	91.6	95.1	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3500	37.5	66.7	81.4	92.5	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	37.5	67.1	82.0	93.1	96.7	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	37.6	67.6	82.7	94.0	97.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2000	37.7	67.7	82.8	94.2	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	37.8	67.8	82.9	94.5	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	37.8	67.8	82.9	94.5	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	37.8	67.8	82.9	94.5	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	37.8	67.8	82.9	94.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	37.8	67.8	82.9	94.7	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	37.8	67.8	82.9	94.7	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	37.8	67.8	82.9	94.7	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	37.8	67.8	83.1	94.9	98.9	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	37.8	67.8	83.1	94.9	98.9	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	37.8	67.8	83.1	94.9	98.9	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	37.8	67.8	83.2	95.1	99.0	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	37.8	67.8	83.2	95.1	99.0	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	37.8	67.8	83.2	95.1	99.0	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	37.8	67.8	83.2	95.1	99.0	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723261 MCGHEE TYSON AIRPORT TN

74-83

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	19.1	32.6	47.3	48.5	52.2	53.1	54.9	55.3	55.5	55.7	55.8	55.8	56.0	56.0	56.2	56.2
≥ 20000	22.3	37.8	46.6	56.0	67.3	61.3	63.3	63.8	63.9	64.2	64.2	64.2	64.4	64.4	64.6	64.7
18000	22.4	37.9	46.6	56.0	67.4	61.3	63.3	63.8	63.9	64.2	64.3	64.3	64.5	64.5	64.7	64.7
16000	22.4	38.0	46.7	56.2	67.6	61.5	63.5	64.0	64.1	64.4	64.4	64.4	64.6	64.7	64.8	64.9
14000	22.9	38.7	47.6	57.1	61.5	62.5	64.5	65.0	65.1	65.4	65.4	65.4	65.6	65.6	65.8	65.9
12000	24.3	40.6	49.8	59.7	64.2	65.2	67.3	67.8	67.9	68.2	68.3	68.3	68.5	68.5	68.7	68.8
10000	25.1	42.1	51.6	61.9	66.7	67.7	69.9	70.4	70.5	70.9	70.9	70.9	71.1	71.1	71.3	71.4
9000	26.1	43.8	53.6	64.1	69.1	70.2	72.4	72.9	73.1	73.4	73.4	73.4	73.6	73.7	73.9	74.0
8000	26.6	44.8	54.8	65.5	70.6	71.6	73.9	74.5	74.6	74.9	75.0	75.0	75.2	75.2	75.4	75.5
7000	27.5	46.4	56.8	67.8	72.9	74.0	76.3	76.9	77.0	77.4	77.4	77.4	77.6	77.7	77.9	78.0
6000	28.1	47.5	58.7	69.1	74.3	75.5	77.8	78.4	78.5	78.9	78.9	78.9	79.1	79.2	79.4	79.5
5000	29.4	49.9	62.9	72.4	77.7	78.8	81.2	81.8	82.0	82.3	82.4	82.4	82.6	82.6	82.8	82.9
4500	30.5	51.7	62.9	74.7	80.2	81.4	83.8	84.4	84.6	85.0	85.0	85.0	85.3	85.3	85.5	85.6
4000	31.4	53.3	64.7	76.8	82.4	83.5	86.7	86.6	86.8	87.2	87.2	87.2	87.5	87.5	87.7	87.8
3500	32.0	54.5	66.1	78.4	84.1	85.2	87.8	88.4	88.6	89.0	89.0	89.0	89.3	89.3	89.5	89.6
3000	32.5	55.8	67.6	80.2	86.0	87.2	89.9	90.5	90.6	91.1	91.1	91.1	91.4	91.4	91.6	91.7
2500	33.1	57.0	68.9	81.8	87.7	88.9	91.7	92.4	92.5	93.0	93.0	93.0	93.3	93.3	93.5	93.6
2000	33.5	57.7	69.8	83.0	89.0	90.4	93.2	93.8	94.0	94.5	94.5	94.5	94.8	94.8	95.0	95.1
1800	33.6	57.9	70.0	83.4	89.5	90.8	93.7	94.3	94.5	94.9	95.0	95.0	95.3	95.3	95.5	95.6
1500	33.7	58.1	70.4	83.8	89.9	91.3	94.2	94.8	95.0	95.5	95.5	95.5	95.8	95.8	96.0	96.1
1200	33.8	58.3	70.6	84.2	90.3	91.7	94.8	95.4	95.6	96.1	96.2	96.2	96.4	96.5	96.7	96.7
1000	33.8	58.4	70.8	84.4	90.6	92.1	95.2	95.8	96.0	96.6	96.6	96.6	96.9	96.9	97.1	97.2
900	33.8	58.5	70.8	84.6	90.8	92.3	95.4	96.1	96.3	96.8	96.9	96.9	97.2	97.2	97.4	97.5
800	33.8	58.6	70.9	84.7	91.0	92.5	95.6	96.3	96.4	97.0	97.1	97.1	97.4	97.4	97.6	97.7
700	33.8	58.6	70.9	84.8	91.1	92.6	95.7	96.4	96.6	97.2	97.2	97.2	97.5	97.5	97.8	97.8
600	33.8	58.6	71.0	85.0	91.3	92.9	96.1	96.9	97.0	97.6	97.7	97.7	98.0	98.0	98.2	98.3
500	33.8	58.6	71.1	85.1	91.4	93.1	96.4	97.2	97.4	98.0	98.1	98.1	98.4	98.4	98.6	98.7
400	33.8	58.6	71.1	85.2	91.5	93.2	96.6	97.4	97.6	98.3	98.3	98.3	98.7	98.7	98.9	99.0
300	33.8	58.7	71.2	85.4	91.7	93.4	96.9	97.7	97.9	98.6	98.7	98.7	99.1	99.1	99.4	99.5
200	33.8	58.7	71.2	85.4	91.7	93.4	96.9	97.7	98.0	98.8	98.9	98.9	99.4	99.4	99.7	99.9
100	33.8	58.7	71.2	85.4	91.7	93.4	96.9	97.7	98.0	98.8	99.0	99.0	99.4	99.4	99.8	99.9
0	33.8	58.7	71.2	85.4	91.7	93.4	96.9	97.7	98.0	98.8	99.0	99.0	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

USAF ETAC FORM 10-64 D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-87
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE9	≥6 GE90	≥3 GE80	≥2.5 GE60	≥2 GE48	≥1.5 GE40	≥1.25 GE32	≥1 GE24	≥0.75 GE20	≥0.5 GE16	≥0.25 GE10	≥0.15 GE8	≥0.1 GE6	≥0.05 GE3	≥0.025 GE1.5	≥0.01 GE0.5
NO CEILING ≥ 20000	21.9	39.0	47.5	56.6	67.3	60.5	60.9	61.1	61.1	61.2	61.2	61.2	61.6	61.6	62.0	62.1
≥ 18000	24.5	43.7	53.2	63.2	66.8	67.1	67.6	67.8	67.8	67.9	67.9	67.9	68.2	68.2	68.7	68.8
≥ 16000	24.8	44.1	53.6	63.6	67.5	67.7	68.2	68.5	68.5	68.6	68.6	68.6	68.9	68.9	69.3	69.4
≥ 14000	25.6	45.5	55.1	65.3	69.2	69.4	70.0	70.2	70.2	70.3	70.3	70.3	70.6	70.6	71.0	71.2
≥ 12000	26.9	47.5	57.3	67.8	71.7	71.9	72.4	72.7	72.7	72.8	72.8	72.8	73.2	73.2	73.6	73.7
≥ 10000	28.4	49.6	59.4	70.4	74.3	74.5	75.7	75.5	75.5	75.6	75.6	75.6	76.7	76.7	76.4	76.5
≥ 9000	28.8	50.8	60.6	72.2	76.6	76.9	77.4	77.8	77.8	78.0	78.7	78.7	78.5	78.5	78.9	79.0
≥ 8000	29.9	52.1	62.1	74.1	78.5	78.7	79.2	79.7	79.7	79.9	79.9	79.9	80.3	80.3	80.7	80.8
≥ 7000	30.9	53.8	63.9	76.1	80.5	80.7	81.3	81.7	81.7	81.9	81.9	81.9	82.3	82.3	82.8	82.9
≥ 6000	31.6	55.3	65.8	78.3	82.8	83.7	83.5	84.0	84.0	84.2	84.2	84.2	84.6	84.6	85.0	85.1
≥ 5000	33.4	58.3	69.1	82.1	86.7	86.9	87.4	87.9	87.9	88.2	88.2	88.2	88.6	88.6	89.0	89.1
≥ 4500	33.9	59.6	70.8	84.6	89.1	89.3	90.0	90.5	90.5	90.7	90.7	90.7	91.2	91.2	91.6	91.7
≥ 4000	33.9	60.0	71.4	85.6	90.1	90.3	91.0	91.5	91.5	91.7	91.7	91.7	92.1	92.1	92.6	92.7
≥ 3500	34.1	60.4	72.1	86.7	91.2	91.4	92.0	92.6	92.6	92.8	92.8	92.8	93.2	93.2	93.6	93.8
≥ 3000	34.7	61.8	73.6	88.2	92.8	93.0	93.6	94.2	94.2	94.4	94.4	94.4	94.8	94.8	95.3	95.4
≥ 2500	34.9	62.6	74.6	89.7	94.4	94.6	95.3	95.8	95.8	96.0	96.0	96.0	96.4	96.4	96.9	97.0
≥ 2000	35.1	63.0	74.9	90.3	95.0	95.3	95.9	96.4	96.4	96.7	96.7	96.7	97.1	97.1	97.5	97.6
≥ 1800	35.1	63.0	74.9	90.3	95.0	95.3	95.9	96.4	96.4	96.7	96.7	96.7	97.1	97.1	97.5	97.6
≥ 1500	35.2	63.4	75.3	90.9	95.7	95.9	96.6	97.1	97.1	97.3	97.3	97.3	97.7	97.7	98.2	98.3
≥ 1200	35.3	63.6	75.6	91.1	95.9	96.1	96.8	97.3	97.3	97.5	97.5	97.5	98.0	98.0	98.4	98.5
≥ 1000	35.3	63.6	75.6	91.1	95.9	96.1	96.8	97.3	97.3	97.5	97.5	97.5	98.1	98.1	98.5	98.6
≥ 900	35.3	63.7	75.7	91.2	96.0	96.2	96.9	97.4	97.4	97.6	97.6	97.6	98.2	98.2	98.6	98.7
≥ 800	35.3	63.7	75.7	91.2	96.0	96.2	96.9	97.4	97.4	97.6	97.6	97.6	98.2	98.2	98.6	98.7
≥ 700	35.3	63.7	75.7	91.2	96.0	96.2	96.9	97.4	97.4	97.6	97.6	97.6	98.2	98.2	98.6	98.7
≥ 600	35.3	63.7	75.7	91.3	96.1	96.3	97.0	97.5	97.5	97.7	97.7	97.7	98.3	98.3	98.7	98.8
≥ 500	35.3	63.7	75.7	91.3	96.2	96.4	97.1	97.6	97.6	97.8	97.8	97.8	98.4	98.4	98.8	98.9
≥ 400	35.4	63.9	75.9	91.6	96.6	96.8	97.4	98.0	98.0	98.2	98.2	98.2	98.7	98.7	99.1	99.2
≥ 300	35.4	63.9	75.9	91.9	96.9	97.1	97.7	98.4	98.4	98.6	98.6	98.6	99.1	99.1	99.6	99.7
≥ 200	35.4	63.9	75.9	91.9	96.9	97.1	97.8	98.5	98.5	98.7	98.7	98.7	99.2	99.2	99.7	99.8
≥ 100	35.4	63.9	75.9	91.9	96.9	97.1	97.8	98.5	98.5	98.7	98.7	98.7	99.4	99.4	99.8	100.0
≥ 0	35.4	63.9	75.9	91.9	96.9	97.1	97.8	98.5	98.5	98.7	98.7	98.7	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723263 MCGHEE TYSON AIRPORT TN

74-83

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	14.3	30.4	37.4	47.3	57.6	50.8	53.9	54.3	54.4	55.7	55.3	55.3	56.7	56.0	58.1	58.4	58.4	58.4	58.4	58.4
≥ 20000	16.3	33.8	41.6	52.7	56.1	56.3	59.4	59.8	59.9	67.5	60.8	67.8	67.8	61.5	61.5	63.6	63.9	64.2	64.2	64.2
≥ 18000	16.4	34.1	41.8	53.0	56.5	56.6	59.7	60.1	60.2	60.8	61.1	61.1	61.9	61.9	63.9	64.2	64.2	64.2	64.2	64.2
≥ 16000	16.4	34.1	41.8	53.1	56.6	56.7	59.8	60.2	60.3	60.9	61.2	61.2	62.0	62.0	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	17.6	35.6	43.4	55.7	58.4	58.5	61.6	62.1	62.7	62.7	63.0	63.0	63.8	63.8	65.8	66.2	66.2	66.2	66.2	66.2
≥ 12000	17.8	36.4	44.6	56.5	59.9	60.0	63.1	63.7	63.8	64.3	64.7	64.7	65.4	65.4	67.6	68.2	68.2	68.2	68.2	68.2
≥ 10000	19.0	38.6	47.0	59.1	62.5	62.6	65.8	66.6	66.7	67.5	67.8	67.8	68.5	68.5	71.7	71.1	71.1	71.1	71.1	71.1
≥ 9000	19.4	39.5	48.2	60.3	64.1	64.2	67.5	68.2	68.3	69.1	69.4	69.4	71.2	71.2	72.3	72.7	72.7	72.7	72.7	72.7
≥ 8000	21.5	41.2	49.8	62.2	65.9	66.1	69.3	70.0	70.2	71.0	71.3	71.3	72.1	72.1	74.2	74.7	74.7	74.7	74.7	74.7
≥ 7000	21.6	43.5	51.9	64.8	68.5	68.6	71.9	72.6	72.7	73.6	73.9	73.9	74.7	74.7	76.8	77.3	77.3	77.3	77.3	77.3
≥ 6000	21.9	43.9	53.7	66.6	71.4	70.5	73.7	74.7	74.8	75.6	76.7	76.7	76.7	76.7	78.9	79.3	79.3	79.3	79.3	79.3
≥ 5000	23.1	45.6	55.6	69.6	73.4	73.5	76.7	77.7	77.8	78.7	79.7	79.7	79.7	79.7	81.9	82.3	82.3	82.3	82.3	82.3
≥ 4500	25.0	48.1	58.4	72.6	76.4	76.5	79.7	80.7	80.8	81.7	82.7	82.7	82.7	82.7	84.9	85.3	85.3	85.3	85.3	85.3
≥ 4000	25.5	49.2	59.7	74.1	78.1	78.2	81.5	82.4	82.5	83.4	83.7	83.7	84.5	84.5	86.6	87.1	87.1	87.1	87.1	87.1
≥ 3500	25.6	49.7	60.5	75.3	79.3	79.4	82.7	83.6	83.7	84.6	84.9	84.9	85.7	85.7	87.8	88.3	88.3	88.3	88.3	88.3
≥ 3000	26.7	51.5	62.9	78.0	82.1	82.2	85.6	86.5	86.6	87.5	87.8	87.8	88.6	88.6	90.7	91.2	91.2	91.2	91.2	91.2
≥ 2500	26.7	51.7	63.1	78.6	82.7	82.8	86.1	87.1	87.2	88.0	88.4	88.4	89.1	89.1	91.3	91.7	91.7	91.7	91.7	91.7
≥ 2000	26.7	51.8	63.4	78.9	83.0	83.1	86.4	87.4	87.5	88.4	88.8	88.8	89.7	89.7	91.8	92.2	92.2	92.2	92.2	92.2
≥ 1800	26.7	51.9	63.8	79.3	83.4	83.5	86.9	87.8	87.9	88.8	89.2	89.2	90.2	90.2	92.3	92.8	92.8	92.8	92.8	92.8
≥ 1500	26.7	52.2	64.1	79.6	83.7	83.8	87.2	88.1	88.3	89.1	89.5	89.5	90.5	90.5	92.7	93.1	93.1	93.1	93.1	93.1
≥ 1200	26.7	52.6	64.7	80.4	84.5	84.6	87.9	89.1	89.2	90.1	90.5	90.5	91.5	91.5	93.6	94.1	94.1	94.1	94.1	94.1
≥ 1000	26.7	52.6	64.7	80.4	84.5	84.6	87.9	89.1	89.2	90.1	90.5	90.5	91.5	91.5	93.6	94.1	94.1	94.1	94.1	94.1
≥ 900	26.7	52.6	64.7	80.4	84.5	84.6	87.9	89.1	89.2	90.1	90.5	90.5	91.5	91.5	93.6	94.1	94.1	94.1	94.1	94.1
≥ 800	26.7	52.7	64.9	80.6	84.7	84.8	88.1	89.3	89.4	90.3	90.7	90.7	91.7	91.7	93.9	94.3	94.3	94.3	94.3	94.3
≥ 700	26.9	53.2	65.4	81.1	85.2	85.3	88.7	89.9	90.0	90.8	91.3	91.3	92.2	92.2	94.4	94.8	94.8	94.8	94.8	94.8
≥ 600	27.0	53.3	65.5	81.6	85.7	85.8	89.1	90.3	90.5	91.4	91.8	91.8	92.8	92.8	94.9	95.4	95.4	95.4	95.4	95.4
≥ 500	27.3	53.6	65.8	82.1	86.2	86.3	89.7	90.8	91.1	91.9	92.3	92.3	93.3	93.3	95.5	95.9	95.9	95.9	95.9	95.9
≥ 400	27.3	53.7	65.9	82.3	86.4	86.5	89.9	91.4	91.6	92.5	92.9	92.9	93.9	93.9	96.7	96.4	96.4	96.4	96.4	96.4
≥ 300	27.3	53.7	65.9	82.4	86.7	86.9	90.2	91.7	91.9	92.8	93.2	93.2	94.2	94.2	96.3	96.8	96.8	96.8	96.8	96.8
≥ 200	27.3	53.7	65.9	82.5	87.1	87.2	90.5	92.1	92.3	93.5	94.1	94.1	95.5	95.5	97.7	98.2	98.2	98.2	98.2	98.2
≥ 100	27.3	53.7	65.9	82.5	87.1	87.2	90.5	92.1	92.3	93.6	94.2	94.2	96.3	96.3	98.7	99.6	99.6	99.6	99.6	99.6
≥ 0	27.3	53.7	65.9	82.5	87.1	87.2	90.6	92.2	92.5	93.8	94.3	94.3	96.4	96.4	98.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707267 MCGHEE TUSON AIRPORT TN

74-83

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	GE10	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2	GE1	GE0	GE10	GE9	GE8	GE7	GE6
NO CEILING	10.2	16.5	18.7	23.3	30.9	33.5	47.4	42.6	42.6	45.9	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	11.7	18.9	21.6	26.5	34.8	38.0	45.6	47.9	48.1	51.5	52.1	52.1	53.3	53.8	54.7	55.0
≥ 18000	11.7	18.9	21.6	26.5	35.0	38.2	45.9	48.1	48.3	51.7	52.3	52.3	54.7	54.7	54.9	55.0
≥ 16000	11.7	19.1	21.9	26.7	35.2	38.4	46.2	48.4	48.7	52.0	52.6	52.6	54.4	54.4	55.2	55.5
≥ 14000	12.3	19.8	22.8	27.7	36.3	39.5	47.8	51.1	50.7	53.8	54.5	54.5	56.2	56.2	57.1	57.4
≥ 12000	13.0	21.0	24.9	29.7	38.6	41.9	50.3	52.5	52.7	56.3	56.9	56.9	58.8	58.8	59.6	60.1
≥ 10000	14.0	22.3	26.3	31.2	40.8	44.3	53.1	55.3	55.5	59.2	59.8	59.8	61.7	61.7	62.6	63.1
≥ 9000	14.4	22.7	26.7	32.1	41.8	45.6	54.7	57.1	57.5	61.1	61.5	61.8	63.6	63.6	64.6	65.0
≥ 8000	15.2	23.8	28.1	33.9	43.7	47.6	56.6	59.1	59.5	63.2	63.8	63.8	65.7	65.7	66.7	67.3
≥ 7000	15.4	24.4	28.7	35.2	45.4	49.3	58.6	61.0	61.5	65.1	65.8	65.8	67.6	67.6	68.7	69.2
≥ 6000	15.9	25.1	29.6	36.4	47.0	50.9	60.5	63.0	63.4	67.2	67.8	67.8	69.6	69.6	70.7	71.3
≥ 5000	16.7	26.6	31.2	38.5	49.5	53.6	63.5	66.0	66.4	70.2	70.8	70.8	72.7	72.7	73.7	74.3
≥ 4500	17.2	27.7	32.5	40.7	51.8	55.9	66.3	68.8	69.2	73.0	73.7	73.7	75.6	75.6	76.6	77.2
≥ 4000	17.8	28.6	33.9	42.5	54.1	58.4	69.0	71.5	71.9	75.8	76.5	76.5	78.4	78.4	79.4	80.0
≥ 3500	18.1	29.2	34.8	43.4	55.2	59.8	70.4	73.1	73.5	77.4	78.1	78.1	80.0	80.0	81.1	81.6
≥ 3000	18.7	30.4	36.2	45.1	57.3	62.0	72.8	75.5	75.9	79.9	80.6	80.6	82.5	82.5	83.5	84.1
≥ 2500	19.1	31.2	37.4	46.4	58.8	63.7	74.8	77.6	78.0	82.0	82.8	82.8	84.6	84.6	85.7	86.2
≥ 2000	19.4	31.9	38.2	47.7	60.2	65.1	76.5	79.5	80.0	84.0	84.8	84.8	86.7	86.7	87.7	88.2
≥ 1800	19.4	32.0	38.4	48.1	60.6	65.6	77.0	80.0	80.4	84.4	85.3	85.3	87.1	87.1	88.2	88.7
≥ 1600	19.4	32.2	38.8	48.4	60.9	65.9	77.3	80.5	80.9	84.9	85.9	85.8	87.6	87.6	88.7	89.2
≥ 1400	19.4	32.2	39.1	48.9	61.8	66.7	78.1	81.4	81.8	85.9	86.8	86.8	88.7	88.7	89.8	90.2
≥ 1200	19.4	32.2	39.2	49.2	62.2	67.2	78.7	81.9	82.3	86.4	87.3	87.3	89.2	89.2	90.3	90.9
≥ 1000	19.5	32.3	39.4	49.5	62.6	67.6	79.3	82.6	83.0	87.1	87.9	87.9	89.9	89.9	91.0	91.5
≥ 900	19.5	32.4	39.5	49.6	62.8	67.7	79.5	82.8	83.2	87.4	88.3	88.3	90.2	90.2	91.3	91.8
≥ 800	19.5	32.5	39.6	49.7	63.0	67.9	79.9	83.1	83.5	87.7	88.6	88.6	90.5	90.5	91.6	92.1
≥ 700	19.5	32.6	39.7	49.9	63.2	68.1	80.4	83.7	84.2	88.4	89.2	89.2	91.2	91.2	92.2	92.8
≥ 600	19.5	32.7	39.8	50.1	63.5	68.5	81.1	84.6	85.0	89.2	90.1	90.1	92.0	92.0	93.1	93.6
≥ 500	19.5	32.7	39.8	50.2	63.7	68.7	81.5	85.0	85.5	89.7	90.6	90.6	92.6	92.6	93.6	94.2
≥ 400	19.5	32.7	39.8	50.3	63.9	69.0	82.0	85.6	86.0	90.3	91.3	91.3	93.6	93.6	94.7	95.5
≥ 300	19.5	32.7	39.8	50.3	63.9	69.0	82.3	85.9	86.4	91.1	92.1	92.1	94.9	94.9	96.3	97.5
≥ 200	19.5	32.7	39.8	50.3	63.9	69.0	82.3	85.9	86.4	91.1	92.5	92.5	95.9	95.9	98.0	99.5
≥ 100	19.5	32.7	39.8	50.3	63.9	69.0	82.3	85.9	86.4	91.1	92.5	92.5	95.9	95.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN

74-87

AWC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1990-1999

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	GT9	FG90	GF87	GF60	GF48	GF40	GF32	GF24	GF21	GF16	GF12	GF10	GF08	GF05	GF04	GF02
≥25000	13.9	25.1	29.7	34.4	44.1	46.7	48.7	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥18000	15.7	29.1	34.7	40.1	50.3	52.3	54.9	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥16000	15.9	29.4	34.9	41.3	51.5	52.5	55.2	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥14000	15.9	29.7	35.5	41.9	51.1	53.7	55.7	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥12000	17.0	31.7	37.8	43.8	54.2	56.1	58.8	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥10000	17.5	32.4	38.8	45.5	56.6	58.6	61.5	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥9000	18.2	33.7	40.4	47.4	58.7	60.8	63.7	64.4	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥8000	18.7	34.5	41.6	48.6	59.9	62.2	65.2	66.0	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥7000	19.8	36.3	43.7	51.6	62.7	64.3	67.4	68.3	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥6000	20.2	37.1	44.4	51.4	62.8	65.3	68.4	69.2	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥5000	21.3	40.1	47.8	55.3	67.3	69.9	73.1	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥4500	21.6	41.1	49.1	57.2	70.0	72.7	76.5	77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥4000	22.2	42.2	51.2	58.3	71.6	74.3	78.3	79.1	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥3500	23.8	44.7	52.2	61.0	74.3	77.0	81.7	81.6	82.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥3000	24.3	45.2	53.7	62.6	76.5	79.4	83.4	84.3	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥2500	24.9	46.8	55.9	65.1	79.1	82.2	86.3	87.2	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥2000	25.4	47.5	57.2	66.8	81.3	84.5	88.7	89.9	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥1800	25.4	47.6	57.4	67.1	81.6	84.8	89.0	90.2	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥1500	25.8	48.6	58.7	68.4	82.9	86.3	91.5	91.7	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥1200	25.9	49.0	59.4	69.8	84.7	88.2	92.4	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥1000	26.0	49.4	59.8	70.5	85.7	89.2	93.4	94.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥900	26.1	49.5	60.0	70.8	85.9	89.7	93.9	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥800	26.2	49.8	60.5	71.3	86.5	90.3	94.6	95.9	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥700	26.3	49.9	60.6	71.6	86.8	90.8	95.3	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥600	26.5	50.1	61.7	71.9	87.3	91.3	96.7	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥500	26.6	50.2	61.1	72.0	87.4	91.5	96.3	97.8	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥400	26.6	50.2	61.2	72.2	87.5	91.6	96.7	98.5	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥300	26.6	50.2	61.2	72.2	87.6	91.7	97.0	98.8	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥200	26.6	50.2	61.2	72.2	87.6	91.7	97.7	98.8	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥100	26.6	50.2	61.2	72.2	87.6	91.7	97.7	98.8	99.0	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥0	26.6	50.2	61.2	72.2	87.6	91.7	97.7	98.8	99.0	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 101-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72326 MCGHEE TYSON AIRPORT TN

74-83

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE90	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥0.75 GE16	≥0.5 GE12	≥0.25 GE10	≥0.15 GE8	≥0.1 GE7.5	≥0.075 GE7	≥0.05 GE6
NO CEILING	23.5	36.0	41.5	46.5	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	27.8	43.0	49.2	55.1	60.6	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 18000	27.8	43.0	49.2	55.1	60.6	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	27.8	43.0	49.2	55.1	60.6	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	28.4	43.9	50.1	55.9	61.5	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	29.1	45.9	52.3	58.2	64.0	64.3	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	31.0	48.0	54.7	61.0	67.3	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	31.9	48.9	55.7	62.3	68.6	68.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000	32.6	50.3	57.1	63.7	70.0	70.3	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 7000	33.9	52.5	59.2	66.2	72.7	73.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	34.6	53.3	60.3	67.4	73.9	74.2	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 5000	36.0	55.5	62.7	70.5	77.3	77.6	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4500	36.6	57.1	64.3	72.6	79.7	80.0	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	37.8	59.1	66.8	75.3	82.8	83.1	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500	38.9	61.6	69.6	78.4	86.1	86.6	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000	40.2	63.7	71.8	81.2	89.0	89.5	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	41.4	66.1	74.8	84.4	92.3	92.9	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	42.5	67.6	76.8	87.1	94.9	95.6	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	42.8	68.0	77.1	87.7	95.6	96.2	97.2	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	42.9	68.3	77.4	88.5	96.3	97.1	98.1	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	42.9	68.8	78.2	89.5	97.5	98.3	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	43.0	68.9	78.3	89.6	97.6	98.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	43.0	68.9	78.3	89.6	97.6	98.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	43.0	69.0	78.4	89.7	97.7	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	43.0	69.0	78.4	89.7	97.7	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	43.0	69.0	78.4	89.7	97.7	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	43.0	69.0	78.4	89.8	97.8	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	43.0	69.0	78.4	89.8	97.8	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	43.0	69.0	78.4	89.8	97.8	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	43.0	69.0	78.4	89.8	97.8	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	43.0	69.0	78.4	89.8	97.8	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	43.0	69.0	78.4	89.8	97.8	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260

MCGHEE TYSON AIRPORT TN

74-83

AMC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	27.4	39.1	44.9	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	34.6	48.4	55.3	62.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	34.6	48.4	55.3	62.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 14000	34.8	48.7	55.8	63.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	36.2	51.5	58.8	66.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 10000	38.3	54.3	61.9	70.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 9000	39.0	56.1	63.8	72.6	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 8000	39.9	57.4	65.2	74.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	41.3	59.2	67.4	76.3	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 6000	41.5	59.7	68.0	76.9	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 5000	44.8	63.5	72.0	81.4	85.4	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4500	46.0	65.4	74.2	83.5	87.8	87.8	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	48.1	68.5	77.5	87.4	92.3	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 3500	49.6	70.8	80.0	90.1	94.9	94.9	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 3000	50.4	72.2	81.9	92.3	97.1	97.1	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 2500	50.9	72.9	82.9	93.3	98.2	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	50.9	73.1	83.3	93.8	98.6	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	50.9	73.3	83.5	94.2	99.0	99.0	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	51.1	73.5	83.8	94.4	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	51.2	73.7	83.9	94.6	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	51.2	73.7	83.9	94.6	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	51.2	73.7	83.9	94.6	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	51.2	73.7	83.9	94.6	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	51.2	73.7	83.9	94.6	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	51.2	73.7	83.9	94.7	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	51.2	73.7	83.9	94.7	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	51.2	73.7	83.9	94.7	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	51.2	73.7	83.9	94.7	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	51.2	73.7	83.9	94.7	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	51.2	73.7	83.9	94.7	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	51.2	73.7	83.9	94.7	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267
STATION

MC GHEE TYSON AIRPORT TN
STATION NAME

74-87
YEAR

ALG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-2000
YEAR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT 9.7	≥6 EC 9.0	≥5 GF 8.7	≥4 GE 8.0	≥3 GE 7.3	≥2 GE 6.6	≥2 GE 5.9	≥2 GE 5.2	≥2 GE 4.5	≥2 GE 3.8	≥2 GE 3.1	≥2 GE 2.4	≥2 GE 1.7	≥2 GE 1.0	≥2 GE 0.3	≥0 GFC
NO CEILING ≥ 20000	27.8	40.0	45.4	51.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
IV 18000	36.2	51.6	57.9	64.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3
IV 16000	36.2	51.6	57.9	64.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3
IV 14000	36.7	53.1	59.4	66.3	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8
IV 12000	39.5	56.8	63.5	70.7	74.0	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5
IV 10000	42.1	61.2	68.2	76.2	79.6	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
IV 9000	43.5	63.5	70.8	79.1	82.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2
IV 8000	44.5	64.7	72.1	80.4	84.3	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8
IV 7000	45.9	66.6	73.9	82.8	86.9	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4
IV 6000	47.4	68.5	75.9	84.8	88.9	89.0	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4
IV 5000	48.5	70.5	78.0	87.3	91.4	91.5	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9
IV 4500	49.6	71.9	79.4	89.2	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3
IV 4000	50.1	72.8	80.4	90.9	95.7	95.9	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3
IV 3500	50.3	73.4	80.9	91.7	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2
IV 3000	50.6	74.2	81.8	92.9	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4
IV 2500	50.6	74.4	81.9	93.3	98.2	98.4	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2
IV 2000	50.8	74.7	82.2	93.6	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2
IV 1800	50.8	74.7	82.2	93.8	98.6	98.8	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 1500	50.8	74.7	82.2	93.8	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 1200	50.8	74.7	82.2	93.8	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 1000	50.8	74.7	82.2	93.8	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 900	50.8	74.7	82.2	93.8	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 800	50.8	74.7	82.2	93.8	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 700	50.8	74.7	82.2	93.9	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 600	50.8	74.7	82.2	93.9	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 500	50.8	74.7	82.2	93.9	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 400	50.8	74.7	82.2	93.9	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 300	50.8	74.7	82.2	93.9	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 200	50.8	74.7	82.2	93.9	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 100	50.8	74.7	82.2	93.9	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 0	50.8	74.7	82.2	93.9	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 928

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267

MCGHEE TYSON AIRPORT TN

74-83

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

110-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	24.7	38.8	46.1	53.5	57.0	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	28.4	46.8	55.2	63.5	67.0	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 18000	28.4	46.8	55.4	63.8	67.2	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	28.4	46.8	55.4	63.8	67.2	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	29.7	48.7	57.6	66.2	69.7	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	31.9	51.6	60.5	69.1	72.7	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 10000	33.8	53.7	62.8	72.0	75.5	75.7	76.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 9000	35.5	56.2	65.5	75.2	79.1	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 8000	36.4	57.9	67.2	77.3	81.3	81.6	82.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	37.2	59.2	69.7	80.4	84.4	84.6	85.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 6000	37.9	61.4	70.9	81.6	85.5	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 5000	39.5	64.2	74.0	85.5	89.8	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4500	40.5	66.3	76.4	88.7	93.0	93.3	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 4000	41.4	68.0	78.0	90.4	94.8	95.1	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3500	42.1	69.0	79.1	91.6	96.1	96.4	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3000	42.3	70.0	80.0	92.7	97.2	97.5	98.7	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	42.4	70.6	80.6	93.3	97.8	98.2	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2000	42.6	70.8	80.8	93.5	98.1	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	42.6	70.8	80.8	93.5	98.1	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	42.7	71.0	81.0	93.7	98.4	98.7	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	42.7	71.0	81.0	93.7	98.5	98.8	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	42.7	71.0	81.0	93.7	98.5	98.8	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	42.7	71.1	81.1	93.9	98.6	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	42.7	71.1	81.1	93.9	98.6	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	42.7	71.1	81.1	93.9	98.6	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	42.7	71.1	81.1	93.9	98.6	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	42.7	71.1	81.1	93.9	98.6	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	42.7	71.1	81.1	93.9	98.6	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	42.7	71.1	81.1	93.9	98.7	99.0	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	42.7	71.1	81.1	93.9	98.8	99.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	42.7	71.1	81.1	93.9	98.8	99.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	42.7	71.1	81.1	93.9	98.8	99.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

74-83

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	210 GE90	20 GE90	25 GE80	24 GE60	23 GE48	22 GE40	22 GE32	21 GE24	21 GE20	21 GE16	21 GE12	21 GE10	20 GE08	20 GE06	20 GE04	20 GE02
20000	20.4	33.1	38.9	45.6	50.5	51.2	53.0	53.4	53.9	54.0	54.0	54.4	54.4	54.8	54.9	
18000	24.4	39.4	46.1	53.6	58.8	59.6	61.5	61.9	62.7	62.5	62.6	62.6	63.7	63.0	63.4	63.5
16000	24.5	39.6	46.3	53.7	59.0	59.7	61.6	62.1	62.1	62.6	62.8	62.8	63.1	63.1	63.5	63.6
14000	25.1	40.6	47.5	55.1	60.3	61.1	63.0	63.5	63.5	64.1	64.2	64.2	64.5	64.5	65.7	65.1
12000	26.4	42.8	50.0	57.8	63.1	63.9	65.9	66.4	66.4	66.9	67.1	67.1	67.5	67.5	67.9	68.0
10000	28.3	45.0	52.4	60.7	66.3	67.1	69.2	69.7	69.7	70.3	70.5	70.5	70.9	70.9	71.3	71.4
9000	26.9	46.4	53.9	62.6	68.5	69.3	71.5	72.0	72.1	72.7	72.9	72.9	73.2	73.2	73.7	73.8
8000	29.7	47.7	55.4	64.3	70.2	71.1	73.2	73.8	73.9	74.5	74.6	74.6	75.0	75.0	75.5	75.6
7000	30.7	49.5	57.3	66.5	72.6	73.4	75.7	76.2	76.3	76.9	77.1	77.1	77.5	77.5	77.9	78.1
6000	31.4	50.5	58.5	67.9	74.0	74.9	77.2	77.8	77.8	78.5	78.6	78.6	79.0	79.7	79.5	79.6
5000	32.9	53.0	61.3	71.3	77.6	78.5	80.9	81.5	81.6	82.2	82.4	82.4	82.7	82.7	83.2	83.3
4500	33.8	54.6	63.2	73.6	80.2	81.2	83.6	84.3	84.4	85.0	85.2	85.2	85.5	85.5	86.0	86.1
4000	34.6	56.0	64.7	75.6	82.4	83.5	86.7	86.6	86.7	87.4	87.5	87.5	87.9	87.9	88.4	88.5
3500	35.3	57.2	66.1	77.3	84.2	85.3	87.8	88.5	88.6	89.3	89.4	89.4	89.8	89.8	90.2	90.4
3000	36.0	58.6	67.7	79.1	86.2	87.3	89.9	90.6	90.7	91.4	91.5	91.5	91.9	91.9	92.4	92.5
2500	36.4	59.5	68.9	80.5	87.7	88.9	91.6	92.2	92.3	93.1	93.2	93.2	93.6	93.6	94.1	94.2
2000	36.7	60.0	69.6	81.5	88.7	89.9	92.7	93.4	93.5	94.3	94.4	94.4	94.8	94.8	95.3	95.4
1800	36.7	60.2	69.8	81.8	89.0	90.2	92.9	93.7	93.8	94.5	94.7	94.7	95.1	95.1	95.6	95.7
1500	36.8	60.5	70.2	82.2	89.5	90.7	93.5	94.3	94.4	95.1	95.3	95.3	95.7	95.7	96.2	96.3
1200	36.9	60.7	70.5	82.7	90.1	91.4	94.1	94.9	95.0	95.8	96.0	96.0	96.4	96.4	96.9	97.0
1000	36.9	60.7	70.6	82.9	90.3	91.6	94.3	95.1	95.2	96.0	96.2	96.2	96.6	96.6	97.1	97.2
900	36.9	60.8	70.6	82.9	90.4	91.7	94.5	95.3	95.4	96.2	96.4	96.4	96.8	96.8	97.3	97.4
800	36.9	60.9	70.8	83.1	90.6	91.9	94.7	95.5	95.6	96.4	96.6	96.6	97.0	97.0	97.4	97.6
700	37.0	61.0	70.9	83.2	90.7	92.0	94.9	95.7	95.8	96.6	96.8	96.8	97.2	97.2	97.6	97.8
600	37.0	61.0	70.9	83.4	90.9	92.2	95.1	95.9	96.1	96.8	97.0	97.0	97.5	97.5	97.9	98.0
500	37.3	61.1	71.0	83.5	91.0	92.4	95.3	96.2	96.3	97.1	97.3	97.3	97.7	97.7	98.2	98.3
400	37.3	61.1	71.1	83.6	91.1	92.5	95.5	96.4	96.6	97.4	97.6	97.6	98.0	98.0	98.5	98.6
300	37.0	61.1	71.1	83.6	91.3	92.6	95.7	96.7	96.8	97.6	97.8	97.8	98.3	98.3	98.8	98.9
200	37.0	61.1	71.1	83.6	91.3	92.7	95.8	96.8	96.9	97.8	98.1	98.1	98.7	98.7	99.2	99.4
100	37.0	61.1	71.1	83.6	91.3	92.7	95.8	96.8	96.9	97.9	98.2	98.2	99.7	99.0	99.6	99.9
0	37.3	61.1	71.1	83.6	91.3	92.7	95.8	96.8	96.9	97.9	98.2	98.2	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267

MCGHEE TYSON AIRPORT TN

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0200

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO FLYING	24.7	38.4	44.4	49.6	57.6	60.6	51.6	52.0	52.0	52.3	52.3	52.3	52.8	52.8	52.9	53.0
≥ 20000	26.2	40.8	47.6	52.7	53.7	53.7	54.7	55.1	55.1	55.4	55.4	55.4	55.9	55.9	56.0	56.1
≥ 18000	26.6	41.1	47.9	53.0	54.0	54.0	55.0	55.4	55.4	55.8	55.8	55.8	56.2	56.2	56.3	56.4
≥ 16000	26.6	41.1	47.9	53.0	54.0	54.0	55.0	55.4	55.4	55.8	55.8	55.8	56.2	56.2	56.3	56.4
≥ 14000	27.2	42.1	48.9	54.0	55.0	55.0	56.0	56.4	56.4	56.8	56.8	56.8	57.2	57.2	57.3	57.4
≥ 12000	29.0	45.0	51.8	57.2	58.2	58.2	59.2	59.7	59.7	60.0	60.1	60.1	60.6	60.6	60.7	60.8
≥ 10000	30.3	47.0	54.1	59.7	60.7	60.7	61.7	62.1	62.1	62.6	62.7	62.7	63.1	63.1	63.2	63.3
≥ 9000	31.3	49.2	56.6	62.3	63.3	63.3	64.3	64.6	64.6	65.2	65.3	65.3	65.8	65.8	65.9	66.0
≥ 8000	32.2	50.8	58.1	64.4	65.4	65.4	66.4	67.0	67.0	67.4	67.6	67.6	68.1	68.1	68.2	68.3
≥ 7000	33.2	53.0	60.6	66.9	68.3	68.3	69.4	70.0	70.0	70.4	70.8	70.8	71.3	71.3	71.4	71.6
≥ 6000	33.9	54.8	62.6	68.9	70.4	70.4	71.6	72.4	72.4	73.1	73.2	73.2	73.8	73.8	73.9	74.0
≥ 5000	36.8	59.6	67.7	74.4	76.1	76.1	77.2	78.3	78.3	79.0	79.1	79.1	79.7	79.7	79.8	79.9
≥ 4500	39.4	63.3	71.7	79.0	80.8	80.8	81.9	83.0	83.0	83.7	83.8	83.8	84.3	84.3	84.4	84.6
≥ 4000	39.8	64.2	72.6	80.1	81.9	81.9	83.0	84.1	84.1	84.8	84.9	84.9	85.4	85.4	85.6	85.7
≥ 3500	41.3	67.1	75.4	83.3	85.1	85.1	86.3	87.6	87.6	88.2	88.3	88.3	88.9	88.9	89.0	89.1
≥ 3000	42.2	68.9	77.3	85.6	87.3	87.3	88.6	89.8	89.8	90.4	90.6	90.6	91.1	91.1	91.2	91.3
≥ 2500	42.8	69.6	78.1	86.4	88.3	88.3	89.6	90.8	90.8	91.4	91.6	91.6	92.2	92.2	92.4	92.6
≥ 2000	44.2	71.2	79.8	88.2	90.2	90.2	91.4	92.7	92.7	93.4	93.6	93.6	94.2	94.2	94.4	94.6
≥ 1800	44.3	71.6	80.1	88.6	90.6	90.6	91.8	93.0	93.0	93.8	93.9	93.9	94.6	94.6	94.8	94.9
≥ 1600	44.6	72.3	80.9	89.3	91.3	91.3	92.6	93.8	93.8	94.6	94.7	94.7	95.3	95.3	95.7	95.8
≥ 1400	44.7	72.8	81.4	89.9	92.0	92.0	93.2	94.4	94.4	95.2	95.3	95.3	96.0	96.0	96.3	96.4
≥ 1200	44.8	72.9	81.6	90.1	92.2	92.2	93.4	94.9	94.9	95.7	95.8	95.8	96.4	96.4	96.8	96.9
≥ 1000	44.8	72.9	81.6	90.1	92.3	92.3	93.6	95.0	95.0	95.8	95.9	95.9	96.6	96.6	96.9	97.0
≥ 900	44.8	72.9	81.6	90.1	92.3	92.3	93.7	95.1	95.1	95.9	96.0	96.0	96.7	96.7	97.0	97.1
≥ 800	44.8	72.9	81.6	90.1	92.3	92.3	93.8	95.3	95.3	96.1	96.2	96.2	96.9	96.9	97.2	97.3
≥ 700	44.8	72.9	81.6	90.1	92.3	92.3	93.8	95.4	95.4	96.2	96.3	96.3	97.0	97.0	97.3	97.4
≥ 600	44.8	72.9	81.6	90.1	92.3	92.3	93.8	95.4	95.4	96.2	96.3	96.3	97.0	97.0	97.3	97.4
≥ 500	44.9	73.0	81.9	90.4	92.7	93.0	94.2	96.1	96.1	96.9	97.0	97.0	97.7	97.7	98.0	98.1
≥ 400	44.9	73.0	81.9	90.4	92.7	93.1	94.3	96.2	96.2	97.0	97.1	97.1	97.9	97.9	98.2	98.3
≥ 300	44.9	73.0	81.9	90.4	92.7	93.3	94.6	96.4	96.4	97.4	97.6	97.6	98.3	98.3	98.7	98.9
≥ 200	44.9	73.0	81.9	90.4	92.7	93.3	94.6	96.4	96.4	97.4	97.6	97.6	98.3	98.3	98.7	98.9
≥ 100	44.9	73.0	81.9	90.4	92.7	93.3	94.6	96.4	96.4	97.4	97.6	97.6	98.3	98.3	98.7	98.9
≥ 0	44.9	73.0	81.9	90.4	92.7	93.3	94.6	96.4	96.4	97.4	97.6	97.6	98.3	98.3	98.7	98.9

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 7-64 D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72326 MCGHEE TYSON AIRPORT TN

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

200-2500

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE90	≥8 GE90	≥6 GE80	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE16	≥0.75 GE12	≥0.5 GE10	≥0.3 GE08	≥0.25 GE06	≥0.2 GE04	≥0.15 GE03	≥0.1 GE02
NO CEILING	19.0	31.7	36.4	42.7	44.6	44.6	46.2	47.2	47.2	49.7	49.8	49.8	51.0	51.0	51.4	51.8
≥ 20000	20.0	34.4	40.2	46.6	48.6	48.6	50.3	51.4	51.4	53.9	54.0	54.0	55.2	55.2	55.7	56.0
≥ 18000	20.1	34.6	40.3	46.7	48.7	48.7	50.4	51.6	51.6	54.0	54.1	54.1	55.3	55.3	55.8	56.1
≥ 16000	20.3	34.8	40.6	46.9	48.9	48.9	50.7	51.8	51.8	54.2	54.3	54.3	55.6	55.6	56.1	56.3
≥ 14000	20.6	35.0	40.8	47.1	49.1	49.1	50.9	52.0	52.0	54.4	54.6	54.6	55.8	55.8	56.2	56.6
≥ 12000	22.3	37.2	43.7	49.3	51.3	51.3	53.2	54.3	54.3	56.8	56.9	56.9	58.1	58.1	58.6	58.9
≥ 10000	23.4	39.9	45.9	52.9	54.9	54.9	56.8	57.9	57.9	60.3	60.4	60.4	61.7	61.7	62.1	62.4
≥ 9000	23.9	41.0	47.6	54.8	56.8	56.8	58.7	59.8	59.8	62.2	62.3	62.3	63.6	63.6	64.0	64.3
≥ 8000	25.0	43.0	49.6	56.8	58.8	58.8	60.7	62.0	62.0	64.4	64.6	64.6	65.8	65.8	66.2	66.6
≥ 7000	25.8	44.4	51.2	58.6	60.8	60.8	62.7	64.0	64.0	66.6	66.7	66.7	68.0	68.0	68.4	68.8
≥ 6000	26.1	46.1	53.1	60.8	63.2	63.2	65.1	66.4	66.4	69.0	69.1	69.1	70.4	70.4	70.9	71.2
≥ 5000	27.6	48.7	55.8	64.2	66.8	66.8	68.7	70.6	70.6	73.1	73.2	73.2	74.6	74.6	75.0	75.3
≥ 4500	29.9	52.6	60.0	68.9	71.4	71.4	73.3	75.4	75.4	78.0	78.1	78.1	79.4	79.4	79.9	80.2
≥ 4000	30.6	53.9	61.6	70.8	73.3	73.3	75.4	77.6	77.6	80.1	80.2	80.2	81.6	81.6	82.0	82.3
≥ 3500	31.7	55.6	63.3	73.1	75.7	75.7	78.0	80.1	80.1	82.8	82.9	82.9	84.2	84.2	84.7	85.0
≥ 3000	32.4	57.8	65.8	75.6	78.4	78.4	80.9	83.0	83.0	85.7	85.8	85.8	87.1	87.1	87.6	87.9
≥ 2500	32.9	58.3	66.4	76.3	79.7	79.7	82.0	84.2	84.2	86.9	87.0	87.0	88.3	88.3	88.8	89.1
≥ 2000	33.2	59.3	67.4	77.4	80.9	80.9	83.2	85.4	85.4	88.1	88.2	88.2	89.6	89.6	90.0	90.3
≥ 1800	33.4	59.4	67.6	77.6	81.0	81.0	83.3	85.6	85.6	88.4	88.6	88.6	90.0	90.0	90.4	90.8
≥ 1500	34.0	60.3	68.6	78.7	82.2	82.2	84.6	86.8	86.8	89.7	89.8	89.8	91.2	91.2	91.7	92.0
≥ 1200	34.2	60.8	69.1	79.2	82.8	82.8	85.2	87.6	87.6	90.6	90.7	90.7	92.1	92.1	92.6	92.9
≥ 1000	34.3	60.9	69.2	79.3	83.0	83.0	85.6	87.9	87.9	91.1	91.2	91.2	92.7	92.7	93.1	93.4
≥ 900	34.6	61.1	69.4	79.8	83.4	83.4	86.1	88.4	88.4	91.7	91.8	91.8	93.2	93.2	93.7	94.0
≥ 800	34.6	61.1	69.6	79.9	83.6	83.6	86.3	88.9	88.9	92.2	92.3	92.3	93.8	93.8	94.2	94.6
≥ 700	34.6	61.3	69.8	80.1	83.8	83.8	86.6	89.1	89.1	92.4	92.6	92.6	94.0	94.0	94.4	94.8
≥ 600	34.6	61.6	70.0	80.7	84.3	84.3	87.3	89.9	89.9	93.2	93.3	93.3	94.8	94.8	95.2	95.6
≥ 500	34.6	61.7	70.1	80.9	84.7	84.7	87.8	90.3	90.3	93.7	93.8	93.8	95.2	95.2	95.7	96.0
≥ 400	34.6	61.7	70.1	80.9	84.7	85.0	88.1	90.8	90.8	94.4	94.6	94.6	96.1	96.1	96.6	96.9
≥ 300	34.6	61.7	70.1	80.9	84.8	85.1	88.6	91.4	91.4	95.1	95.2	95.3	96.8	96.8	97.2	97.6
≥ 200	34.6	61.7	70.1	80.9	84.8	85.1	88.6	91.4	91.4	95.6	95.7	95.8	97.2	97.2	97.7	98.1
≥ 100	34.6	61.7	70.1	80.9	84.8	85.1	88.6	91.6	91.6	95.8	95.9	96.0	98.0	98.0	98.7	99.3
≥ 0	34.6	61.7	70.1	80.9	84.8	85.1	88.6	91.6	91.6	95.8	95.9	96.0	98.0	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72726 MCGHEE TYSON AIRPORT TN

73-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-0600
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																		
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.075	≥0.05	≥0.025	≥0.015	≥0.01
	GT9	EC90	GF8	GF60	GF48	GF40	GF32	GF24	GF2	GF16	GF12	GF10	GF08	GF05	GF03	GF02	GF01	GF00	GF00
NO CEILING	10.5	18.7	20.9	26.1	28.8	30.9	35.2	36.2	38.4	39.7	39.0	41.8	41.8	43.0	43.6				
≥ 20000	11.6	20.5	22.8	28.7	31.6	34.3	39.0	40.3	40.3	42.8	43.5	43.5	46.5	46.5	47.8	48.5			
IN 18000	11.6	20.5	22.8	28.7	31.6	34.3	39.0	40.3	40.3	42.8	43.5	43.5	46.5	46.5	47.8	48.5			
IN 6000	11.8	20.7	23.0	28.9	31.8	34.5	39.3	40.5	40.5	43.0	43.7	43.7	46.7	46.7	48.1	48.7			
IN 14000	12.2	21.1	23.5	29.4	32.3	34.9	39.8	41.0	41.0	43.7	44.4	44.4	47.4	47.4	48.7	49.4			
IN 12000	13.7	23.4	25.9	32.0	35.3	38.2	43.3	44.5	44.5	47.3	47.9	47.9	50.9	50.9	52.4	53.1			
IN 10000	14.3	24.7	27.7	34.7	37.9	40.8	46.2	47.4	47.4	50.2	50.8	50.8	53.8	53.8	55.3	56.0			
IN 9000	15.4	26.3	29.4	36.6	39.8	42.7	48.3	49.5	49.5	52.3	52.9	52.9	56.1	56.1	57.5	58.2			
IN 8000	16.2	27.8	31.1	38.6	41.9	44.8	50.4	51.7	51.7	54.5	55.3	55.3	58.4	58.4	59.8	60.6			
IN 7000	16.7	29.1	32.5	40.3	43.7	46.9	52.5	54.1	54.1	56.8	57.6	57.6	60.7	60.7	62.2	63.0			
IN 6000	17.5	30.8	34.3	42.4	46.3	49.5	55.4	57.0	57.0	59.7	60.5	60.5	63.6	63.6	65.2	66.0			
IN 5000	18.4	33.0	36.6	44.9	49.1	52.4	58.6	60.4	60.4	63.2	64.0	64.0	67.2	67.2	68.7	69.5			
IN 4500	19.6	34.8	38.8	47.5	51.9	55.3	61.5	63.5	63.5	66.5	67.3	67.3	70.6	70.6	72.2	73.0			
IN 4000	20.1	35.6	39.9	49.1	53.6	57.0	63.6	65.9	66.0	69.0	69.9	69.9	73.2	73.2	74.7	75.5			
IN 3500	21.1	36.8	41.5	50.9	55.7	59.1	66.2	68.6	68.7	71.7	72.6	72.6	76.0	76.0	77.5	78.3			
IN 3000	22.0	38.5	43.2	53.1	58.1	61.4	69.3	72.0	72.1	75.1	76.0	76.0	79.3	79.3	81.1	81.9			
IN 2500	22.6	39.9	44.6	54.8	59.8	63.3	71.4	74.1	74.2	77.4	78.3	78.3	81.8	81.8	83.5	84.3			
IN 2000	23.2	41.2	45.8	56.1	61.3	64.7	73.0	75.8	75.9	79.1	80.0	80.0	83.4	83.4	85.2	86.0			
IN 1800	23.8	41.8	46.5	56.7	62.0	65.4	73.9	76.6	76.8	80.0	80.9	80.9	84.3	84.3	86.1	86.9			
IN 1500	24.0	42.4	47.1	57.3	62.5	66.0	74.4	77.2	77.3	80.6	81.5	81.5	85.0	85.0	86.8	87.5			
IN 1200	24.4	43.0	47.7	58.1	63.3	66.7	75.5	78.5	78.6	82.0	82.9	82.9	86.3	86.3	88.1	88.9			
IN 1000	24.6	43.7	48.4	58.8	64.2	67.6	76.6	79.6	79.8	83.4	84.3	84.3	87.8	87.8	89.5	90.3			
IN 900	24.6	43.9	48.6	59.1	64.4	67.9	77.0	80.0	80.1	83.8	84.6	84.6	88.1	88.1	89.9	90.7			
IN 800	24.6	44.0	48.7	59.3	64.7	68.2	77.5	80.5	80.6	84.4	85.3	85.3	88.8	88.8	90.5	91.3			
IN 700	24.6	44.2	48.9	59.6	65.2	68.7	78.3	81.3	81.4	85.2	86.1	86.1	89.5	89.5	91.3	92.1			
IN 600	24.6	44.2	48.9	59.7	65.4	69.1	79.2	82.3	82.4	86.2	87.1	87.1	90.5	90.5	92.3	93.1			
IN 500	24.6	44.5	49.3	60.1	65.7	69.7	80.2	83.4	83.5	87.4	88.4	88.4	92.0	92.0	93.8	94.5			
IN 400	24.6	44.6	49.4	60.3	66.1	70.1	80.6	84.2	84.3	88.2	89.2	89.2	92.9	92.9	94.7	95.4			
IN 300	24.6	44.6	49.4	60.3	66.1	70.2	81.1	84.9	85.0	89.1	90.2	90.2	94.0	94.0	95.8	96.6			
IN 200	24.6	44.6	49.4	60.3	66.1	70.2	81.2	85.1	85.2	89.5	91.0	91.0	95.1	95.1	97.3	98.4			
IN 100	24.6	44.6	49.4	60.3	66.1	70.2	81.2	85.1	85.2	89.7	91.1	91.1	95.7	95.7	98.3	99.7			
IN 0	24.6	44.6	49.4	60.3	66.1	70.2	81.2	85.1	85.2	89.7	91.1	91.1	95.7	95.7	98.3	99.7			

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 7-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72326

MCGHEE TYSON AIRPORT TN

73-67

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-1100

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 6797	≥8 6090	≥6 5383	≥4 4676	≥3 3969	≥2 3262	≥2 2555	≥1 1848	≥1 1141	≥1 433	≥1 162	≥1 91	≥1 20	≥1 5	≥1 0	≥1 0
NO CEILING ≥ 20000	13.4	23.4	28.4	32.8	37.6	39.6	41.2	41.7	41.7	42.7	42.1	42.1	42.2	42.2	42.3	42.3
≥ 18000	14.2	24.7	30.3	35.4	40.6	42.9	44.7	45.1	45.1	45.4	45.6	45.6	45.7	45.7	45.8	45.8
≥ 16000	14.2	24.8	30.4	35.6	40.7	43.0	44.8	45.2	45.2	45.6	45.7	45.7	45.8	45.8	45.9	45.9
≥ 14000	15.2	25.8	31.6	36.8	41.9	44.2	46.7	46.4	46.4	46.8	46.9	46.9	47.0	47.0	47.1	47.1
≥ 12000	17.2	29.2	35.4	41.6	46.4	48.8	51.7	51.1	51.1	51.4	51.6	51.6	51.7	51.7	51.8	51.8
≥ 10000	18.3	31.1	37.8	43.4	49.2	51.6	53.6	54.0	54.7	54.3	54.4	54.4	54.6	54.6	54.7	54.7
≥ 9000	18.4	31.6	38.3	44.1	49.9	52.2	54.3	54.8	54.8	55.1	55.2	55.2	55.3	55.3	55.4	55.4
≥ 8000	19.4	33.3	40.3	46.3	52.4	54.9	57.1	57.6	57.6	57.9	58.0	58.0	58.1	58.1	58.2	58.2
≥ 7000	20.7	35.7	43.7	49.4	56.7	58.8	61.7	61.6	61.6	61.9	62.0	62.0	62.1	62.1	62.2	62.2
≥ 6000	21.3	36.9	44.3	50.8	57.6	60.3	62.7	63.2	63.2	63.6	63.7	63.7	63.8	63.8	63.9	63.9
≥ 5000	22.6	38.9	46.3	52.8	59.9	62.7	65.1	65.8	65.8	66.1	66.2	66.2	66.3	66.3	66.4	66.4
≥ 4500	23.1	40.3	47.8	54.6	62.1	65.0	67.4	68.2	68.3	68.7	68.8	68.8	68.9	68.9	69.0	69.0
≥ 4000	23.4	40.8	48.2	55.1	62.8	65.7	68.1	68.9	69.0	69.3	69.4	69.4	69.6	69.6	69.7	69.7
≥ 3500	23.8	41.7	49.6	56.9	64.9	67.8	70.2	71.1	71.4	71.8	71.9	71.9	72.0	72.0	72.1	72.1
≥ 3000	25.3	43.8	52.4	60.4	69.0	72.0	74.7	75.7	76.7	76.7	76.8	76.8	76.9	76.9	77.0	77.0
≥ 2500	25.8	44.9	53.7	61.7	70.6	73.6	76.4	77.6	77.9	78.6	78.7	78.7	78.8	78.8	78.9	78.9
≥ 2000	28.2	47.9	56.8	65.0	74.1	77.3	80.4	81.9	82.2	82.9	83.7	83.0	83.1	83.1	83.2	83.2
≥ 1800	28.8	48.9	58.7	66.6	76.0	79.2	82.4	83.9	84.2	84.9	85.1	85.1	85.2	85.2	85.3	85.3
≥ 1500	29.4	50.2	59.7	68.3	77.9	81.2	84.6	86.0	86.3	87.1	87.3	87.3	87.4	87.4	87.6	87.6
≥ 1200	30.3	51.9	61.3	70.0	80.0	83.3	87.1	88.7	89.7	89.8	90.0	90.0	90.3	90.3	90.4	90.4
≥ 1000	30.3	52.0	61.6	70.6	80.7	84.0	87.9	89.6	90.0	90.9	91.1	91.1	91.4	91.4	91.6	91.6
≥ 900	30.7	52.6	62.1	71.4	81.9	85.2	89.3	91.0	91.4	92.3	92.6	92.6	92.9	92.9	93.0	93.0
≥ 800	30.8	52.7	62.4	72.0	82.6	85.9	90.3	92.1	92.6	93.4	93.7	93.7	94.0	94.0	94.1	94.1
≥ 700	30.8	52.8	62.7	72.4	83.4	86.8	91.2	93.3	93.8	94.7	94.9	94.9	95.2	95.2	95.3	95.3
≥ 600	30.9	53.0	62.9	73.0	84.4	88.0	92.6	94.7	95.1	96.1	96.3	96.3	96.7	96.7	96.8	96.8
≥ 500	30.9	53.0	62.9	73.1	84.6	88.2	93.1	95.3	95.8	96.9	97.1	97.1	97.6	97.6	97.7	97.7
≥ 400	30.9	53.0	62.9	73.1	84.9	88.6	93.8	96.2	96.8	98.1	98.4	98.4	98.9	98.9	99.0	99.0
≥ 300	30.9	53.0	62.9	73.1	85.0	88.7	94.1	96.7	97.2	98.6	99.0	99.0	99.4	99.4	99.8	99.8
≥ 200	30.9	53.0	62.9	73.1	85.0	88.7	94.1	96.8	97.3	98.7	99.1	99.1	99.6	99.6	99.9	99.9
≥ 100	30.9	53.0	62.9	73.1	85.0	88.7	94.1	96.8	97.3	98.7	99.1	99.1	99.6	99.6	99.9	100.0
≥ 0	30.9	53.0	62.9	73.1	85.0	88.7	94.1	96.8	97.3	98.7	99.1	99.1	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72726°
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

73-87
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	47.3	40.9	36.8	32.6	28.4	24.2	20.0	16.8	13.6	10.4	7.2	4.0	2.8	1.6	0.4	0.0
≥ 20000	24.6	38.0	42.2	44.1	46.2	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	28.3	43.4	48.2	50.3	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000	28.3	43.4	48.2	50.3	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000	29.2	44.8	49.6	51.7	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	32.0	48.8	53.7	55.8	58.0	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000	33.8	50.9	56.4	58.7	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	34.3	51.6	57.2	59.4	61.7	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 8000	36.0	53.9	59.7	62.1	64.4	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 7000	37.2	55.7	61.7	64.1	66.4	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 6000	37.3	56.0	62.2	64.7	67.0	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 5000	39.3	58.7	65.0	67.7	70.1	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	40.3	59.8	66.3	69.1	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	41.2	61.1	68.0	71.0	73.4	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	42.3	62.8	70.1	73.1	75.6	76.3	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	44.2	66.2	74.0	77.1	79.6	80.3	81.2	81.3	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	46.9	69.9	77.9	81.0	83.8	85.0	86.2	86.3	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	50.1	73.8	82.0	85.4	88.4	89.8	91.0	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	50.7	74.9	83.3	87.0	90.0	91.4	92.8	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	51.0	75.3	83.9	87.7	90.8	92.2	93.6	93.8	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	51.6	76.2	85.0	88.8	92.3	93.8	95.1	95.3	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	51.8	76.6	85.3	89.2	92.9	94.3	95.7	95.9	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	51.9	76.8	85.6	89.4	93.2	94.7	96.0	96.2	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	52.0	77.1	86.0	90.1	94.0	95.4	96.8	97.0	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	52.0	77.3	86.3	90.6	94.6	96.0	97.3	97.6	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	52.0	77.4	86.6	90.8	94.9	96.3	97.8	98.0	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	52.0	77.6	86.7	90.9	95.0	96.4	97.9	98.2	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	52.0	77.6	86.7	90.9	95.1	96.6	98.1	98.7	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	52.0	77.6	86.7	90.9	95.2	96.7	98.2	98.8	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	52.0	77.6	86.7	90.9	95.2	96.7	98.2	98.8	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	52.0	77.6	86.7	90.9	95.2	96.7	98.2	98.8	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	52.0	77.6	86.7	90.9	95.2	96.7	98.2	98.8	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722260 MCGHEE TYSON AIRPORT TN

73-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-2-1770

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.5	40.9	44.8	46.3	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥20000	39.9	51.2	56.1	57.8	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥18000	40.0	51.3	56.2	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥16000	40.0	51.3	56.2	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥14000	41.0	52.4	57.3	59.4	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥12000	43.6	55.6	60.6	62.8	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥10000	45.1	57.6	62.6	64.8	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥9000	45.9	58.6	63.7	66.2	66.9	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥8000	47.1	60.2	65.5	68.1	68.7	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥7000	49.2	63.1	68.6	71.2	72.1	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥6000	50.1	64.2	69.9	72.4	73.3	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥5000	52.2	67.2	73.1	75.9	76.8	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥4500	54.2	70.0	75.9	78.6	79.8	81.1	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥4000	56.3	72.3	78.5	81.3	82.4	83.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥3500	58.2	75.0	81.6	84.4	85.5	86.9	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥3000	59.3	76.4	83.2	86.0	87.3	88.8	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥2500	60.8	78.5	85.4	88.3	89.8	91.2	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥2000	62.0	79.9	87.0	90.0	91.5	93.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥1800	62.4	80.6	87.8	90.8	92.4	94.0	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥1500	62.8	81.4	88.7	91.8	93.5	95.1	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥1200	63.0	81.9	89.2	92.4	94.3	95.9	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥1000	63.1	82.1	89.5	92.9	94.8	96.3	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥900	63.1	82.3	89.8	93.1	95.0	96.6	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥800	63.1	82.3	89.8	93.1	95.0	96.6	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥700	63.1	82.3	89.9	93.2	95.1	96.7	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥600	63.2	82.4	90.1	93.4	95.3	96.9	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥500	63.2	82.4	90.1	93.4	95.3	96.9	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥400	63.2	82.4	90.1	93.4	95.3	96.9	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥300	63.2	82.4	90.1	93.4	95.3	96.9	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥200	63.2	82.4	90.1	93.4	95.3	96.9	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥100	63.2	82.4	90.1	93.4	95.3	96.9	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥0	63.2	82.4	90.1	93.4	95.3	96.9	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727260 MCGEE TYSON AIRPORT TN

77-87

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-7-2001

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
≥20000	31.1	44.0	46.0	51.3	51.8	51.8	52.7	52.7	52.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1
18000	36.8	50.9	54.1	58.8	59.2	59.2	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6
16000	36.8	50.9	54.1	58.8	59.2	59.2	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6
14000	37.2	51.8	55.1	59.7	61.1	60.1	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4
12000	39.8	55.1	58.4	63.2	63.7	63.7	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
10000	41.2	56.9	60.3	65.2	65.8	65.8	66.7	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3
9000	42.3	59.1	62.9	67.3	65.6	68.6	68.8	68.9	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1
8000	43.3	61.1	65.1	70.3	71.0	71.0	71.2	71.3	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6
7000	44.3	63.2	67.4	73.2	73.9	73.9	74.1	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4
6000	45.0	65.0	69.3	75.3	76.4	76.6	76.8	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1
5000	46.8	67.6	72.3	78.7	80.0	80.2	80.4	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8
4500	50.3	72.4	77.3	84.0	85.3	85.6	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2
4000	51.6	74.8	79.9	87.0	88.3	88.6	89.0	89.2	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4
3500	52.8	76.1	81.3	88.7	90.1	90.3	90.8	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2
3000	53.0	77.1	82.3	90.0	91.6	91.8	92.3	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0
2500	53.8	78.0	83.3	91.2	92.9	93.1	93.5	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4
2000	55.1	79.9	85.2	93.2	95.0	95.2	95.9	96.2	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6
1800	55.1	80.1	85.4	93.4	95.2	95.4	96.1	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8
1500	55.7	80.9	86.2	94.2	96.0	96.2	96.9	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6
1200	55.7	81.2	86.7	94.7	96.4	96.7	97.3	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0
1000	55.7	81.2	86.7	94.7	96.4	96.7	97.3	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
900	55.7	81.2	86.7	94.7	96.4	96.7	97.3	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2
800	55.7	81.2	86.7	94.7	96.4	96.7	97.3	98.1	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6
700	55.7	81.2	86.7	94.7	96.6	96.8	97.4	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7
600	55.7	81.2	86.7	94.8	96.7	96.9	97.6	98.3	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8
500	55.7	81.2	86.7	94.8	96.8	97.0	97.8	98.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0
400	55.7	81.2	86.7	95.0	97.0	97.2	98.0	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3
300	55.7	81.2	86.7	95.0	97.0	97.4	98.2	99.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7
200	55.7	81.2	86.7	95.0	97.0	97.4	98.2	99.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7
100	55.7	81.2	86.7	95.0	97.0	97.4	98.2	99.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7
0	55.7	81.2	86.7	95.0	97.0	97.4	98.2	99.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

732267

MCGHEE TYSON AIRPORT TN

73-82

CEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	619.7	509.5	468.2	416.0	364.8	313.6	262.4	211.2	160.0	108.8	57.6	6.4	1.2	0.4	0.1	0.0
≥ 20000	24.1	35.3	39.3	43.2	44.9	45.4	46.6	46.9	46.6	47.6	47.7	47.7	48.3	48.3	48.6	48.7
≥ 18000	27.8	40.4	45.0	49.2	51.1	51.8	53.7	53.4	53.4	54.1	54.2	54.2	54.8	54.8	55.1	55.2
≥ 16000	27.9	40.5	45.1	49.3	51.2	51.9	53.1	53.5	53.5	54.2	54.3	54.3	54.9	54.9	55.2	55.3
≥ 14000	28.6	41.3	45.9	50.2	52.1	52.8	54.0	54.4	54.4	55.1	55.3	55.3	55.9	55.9	56.1	56.3
≥ 12000	30.8	44.4	49.1	53.6	55.5	56.2	57.5	58.0	58.0	58.7	58.8	58.8	59.4	59.4	59.7	59.9
≥ 10000	32.1	46.4	51.4	56.1	58.1	58.9	60.2	60.6	60.6	61.4	61.5	61.5	62.1	62.1	62.4	62.6
≥ 9000	32.8	47.7	52.9	57.8	59.8	60.6	62.7	62.4	62.4	63.2	63.3	63.3	63.9	63.9	64.2	64.3
≥ 8000	33.9	49.5	54.9	60.0	62.1	62.9	64.3	64.8	64.8	65.6	65.7	65.7	66.4	66.4	66.7	66.8
≥ 7000	35.1	51.5	57.1	62.3	64.6	65.5	66.9	67.5	67.5	68.3	68.4	68.4	69.1	69.1	69.4	69.5
≥ 6000	35.7	52.9	58.6	64.0	66.5	67.4	68.9	69.5	69.5	70.3	70.5	70.5	71.1	71.1	71.4	71.6
≥ 5000	37.4	55.6	61.5	67.3	69.9	70.9	72.5	73.2	73.2	74.1	74.2	74.2	74.9	74.9	75.2	75.3
≥ 4500	39.4	58.5	64.5	70.5	73.3	74.4	76.1	76.9	76.9	77.8	77.9	77.9	78.6	78.6	78.9	79.1
≥ 4000	40.3	59.9	66.1	72.4	75.2	76.3	78.1	78.9	79.0	79.8	80.0	80.0	80.7	80.7	81.0	81.1
≥ 3500	41.4	61.6	68.1	74.6	77.5	78.7	80.6	81.5	81.6	82.4	82.6	82.6	83.3	83.3	83.6	83.7
≥ 3000	42.4	63.4	70.2	76.9	80.0	81.2	83.3	84.3	84.4	85.3	85.5	85.5	86.1	86.1	86.5	86.6
≥ 2500	43.4	64.8	71.8	78.6	82.0	83.3	85.5	86.5	86.6	87.6	87.7	87.7	88.4	88.4	88.8	88.9
≥ 2000	44.9	66.8	73.8	80.9	84.4	85.7	88.7	89.0	89.1	90.1	90.3	90.3	91.0	91.0	91.3	91.5
≥ 1800	45.2	67.4	74.5	81.6	85.1	86.5	89.9	89.9	90.0	91.0	91.2	91.2	91.9	91.9	92.3	92.4
≥ 1500	45.6	68.2	75.4	82.5	86.1	87.5	89.9	91.0	91.0	92.1	92.3	92.3	93.0	93.0	93.4	93.6
≥ 1200	45.9	68.8	76.1	83.4	87.1	88.5	91.0	92.1	92.2	93.4	93.6	93.6	94.3	94.3	94.7	94.8
≥ 1000	46.0	69.1	76.3	83.7	87.5	88.9	91.5	92.7	92.8	94.1	94.3	94.3	95.0	95.0	95.4	95.6
≥ 900	46.1	69.2	76.5	84.0	87.8	89.2	91.9	93.1	93.2	94.5	94.7	94.7	95.5	95.5	95.8	96.0
≥ 800	46.1	69.3	76.6	84.2	88.1	89.5	92.2	93.6	93.7	95.1	95.2	95.2	96.0	96.0	96.3	96.5
≥ 700	46.1	69.4	76.8	84.4	88.4	89.9	92.6	94.0	94.1	95.5	95.7	95.7	96.4	96.4	96.8	96.9
≥ 600	46.2	69.5	76.9	84.6	88.7	90.3	93.1	94.6	94.7	96.0	96.2	96.2	97.0	97.0	97.3	97.5
≥ 500	46.2	69.5	77.0	84.8	88.9	90.5	93.6	95.1	95.2	96.6	96.8	96.8	97.6	97.6	98.0	98.1
≥ 400	46.2	69.6	77.0	84.6	89.0	90.7	93.8	95.4	95.5	97.1	97.3	97.3	98.1	98.1	98.5	98.7
≥ 300	46.2	69.6	77.0	84.8	89.1	90.8	94.0	95.7	95.8	97.4	97.7	97.7	98.5	98.5	98.9	99.1
≥ 200	46.2	69.6	77.0	84.8	89.1	90.8	94.0	95.8	95.9	97.6	97.9	97.9	98.8	98.8	99.2	99.5
≥ 100	46.2	69.6	77.0	84.8	89.1	90.8	94.0	95.8	95.9	97.7	98.0	98.0	99.0	99.0	99.5	99.8
≥ 0	46.2	69.6	77.0	84.8	89.1	90.8	94.0	95.8	95.9	97.7	98.0	98.0	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7197

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260 MCGHEE TYSON AIRPORT TN

73-87

CCY

STATION

STATION NAME

YEAR

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000
NO. OF

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)													
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.075	≥0.05	≥0.025	≥0.015	≥0.01	≥0.0075	≥0.005	≥0.0025	≥0.0015	≥0.001	≥0.00075	≥0.0005	≥0.00025	≥0.00015	≥0.0001	
NO CEILING	47.5	56.1	59.2	61.0	61.3	61.3	61.5	62.3	62.4	62.5	62.6	62.6	63.1	63.1	63.3	63.9														
≥ 20000	48.2	57.8	61.0	62.9	63.2	63.2	63.4	64.2	64.3	64.4	64.5	64.5	65.1	65.1	65.3	65.8														
≥ 18000	48.2	57.8	61.0	62.9	63.2	63.2	63.4	64.2	64.3	64.4	64.5	64.5	65.1	65.1	65.3	65.8														
≥ 16000	48.2	57.8	61.0	62.9	63.2	63.2	63.4	64.2	64.3	64.4	64.5	64.5	65.1	65.1	65.3	65.8														
≥ 14000	48.6	58.4	61.0	63.4	63.8	63.8	64.0	64.7	64.9	64.9	65.1	65.1	65.6	65.6	65.8	66.3														
≥ 12000	48.8	59.5	62.9	64.8	65.2	65.2	65.4	66.1	66.2	66.7	66.8	66.8	67.3	67.3	67.5	68.1														
≥ 10000	49.6	60.5	64.4	66.3	66.7	66.8	67.0	67.8	68.0	68.5	68.6	68.6	69.1	69.1	69.4	69.9														
≥ 9000	50.8	62.2	66.0	68.1	68.4	68.5	68.7	69.6	69.7	70.2	70.3	70.3	70.9	70.9	71.1	71.6														
≥ 8000	51.8	63.8	67.6	69.7	70.1	70.2	70.4	71.3	71.4	71.9	72.0	72.0	72.6	72.6	72.8	73.3														
≥ 7000	54.3	66.9	70.8	73.0	73.4	73.5	73.9	74.7	74.8	75.4	75.5	75.5	76.0	76.0	76.2	76.8														
≥ 6000	55.5	68.3	72.2	74.5	74.9	75.1	75.4	76.2	76.3	76.9	77.0	77.0	77.5	77.5	77.7	78.3														
≥ 5000	57.1	70.3	74.2	76.8	77.2	77.3	77.6	78.5	78.6	79.2	79.4	79.4	79.9	79.9	80.1	80.6														
≥ 4500	58.2	71.8	75.7	78.5	79.0	79.1	79.5	80.3	80.4	81.1	81.2	81.2	81.7	81.7	81.9	82.5														
≥ 4000	59.1	72.9	76.8	80.0	80.5	80.6	81.0	81.8	81.9	82.6	82.7	82.7	83.3	83.3	83.5	84.1														
≥ 3500	60.1	74.5	78.6	82.2	82.7	82.8	83.1	84.0	84.1	84.7	84.8	84.8	85.5	85.5	85.7	86.2														
≥ 3000	61.2	76.9	81.0	84.7	85.3	85.5	85.9	86.8	86.9	87.5	87.6	87.6	88.3	88.3	88.5	89.0														
≥ 2500	62.4	78.8	82.9	87.1	87.6	88.0	88.4	89.2	89.4	90.0	90.1	90.1	90.8	90.8	91.0	91.5														
≥ 2000	64.1	80.8	84.9	89.2	89.8	90.2	90.6	91.5	91.6	92.3	92.4	92.4	93.0	93.0	93.2	93.8														
≥ 1800	64.3	81.0	85.2	89.8	90.3	90.8	91.2	92.0	92.2	92.8	92.9	92.9	93.5	93.5	93.8	94.3														
≥ 1500	64.5	81.4	85.6	90.2	90.9	91.3	91.7	92.6	92.7	93.4	93.5	93.5	94.2	94.2	94.4	94.9														
≥ 1200	64.8	82.2	86.6	91.3	91.9	92.4	92.9	93.8	93.9	94.6	94.7	94.7	95.4	95.4	95.6	96.1														
≥ 1000	64.8	82.4	86.8	91.5	92.2	92.6	93.1	94.0	94.1	94.8	94.9	94.9	95.6	95.6	95.8	96.3														
≥ 900	64.8	82.7	87.1	91.8	92.5	92.9	93.4	94.3	94.4	95.2	95.3	95.3	95.9	95.9	96.1	96.7														
≥ 800	64.8	82.7	87.1	91.8	92.5	92.9	93.4	94.3	94.4	95.2	95.3	95.3	95.9	95.9	96.1	96.7														
≥ 700	64.8	82.9	87.4	92.2	92.8	93.3	93.9	94.7	94.8	95.6	95.7	95.7	96.3	96.3	96.6	97.1														
≥ 600	64.8	82.9	87.4	92.2	92.8	93.3	93.9	94.7	94.8	95.6	95.7	95.7	96.3	96.3	96.6	97.1														
≥ 500	64.8	83.0	87.6	92.6	93.4	94.1	94.7	95.6	95.7	96.6	96.7	96.7	97.3	97.3	97.5	98.1														
≥ 400	64.8	83.0	87.6	92.7	93.5	94.2	94.8	95.8	95.9	96.8	96.9	96.9	97.5	97.5	97.7	98.3														
≥ 300	64.8	83.0	87.6	92.7	93.5	94.2	94.8	95.8	95.9	96.8	96.9	96.9	97.5	97.5	97.7	98.3														
≥ 200	64.8	83.0	87.6	92.8	93.8	94.4	95.8	96.9	97.0	98.0	98.1	98.1	98.7	98.7	98.9	99.5														
≥ 100	64.8	83.0	87.6	92.8	93.8	94.4	95.8	97.0	97.1	98.1	98.2	98.2	98.8	98.8	99.2	99.9														
≥ 0	64.8	83.0	87.6	92.8	93.8	94.4	95.8	97.0	97.1	98.1	98.2	98.2	98.8	98.8	99.2	100.0														

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72726- MCGHEE TYSON AIRPORT TN

73-82

067

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

720-2500

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)				
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.015	≥0.01	≥0.005	≥0.0025	≥0.0015	≥0.001
NO. CEILING	37.7	47.1	50.0	52.8	53.8	53.8	55.9	57.0	57.5	58.8	59.0	59.2	60.2	60.3	61.1	61.6					
≥ 20000	38.7	49.2	52.3	55.2	56.1	56.1	58.3	59.6	60.1	61.4	61.6	61.6	62.8	62.9	63.7	64.2					
≥ 18000	38.7	49.2	52.3	55.2	56.1	56.1	58.3	59.6	60.1	61.4	61.6	61.6	62.8	62.9	63.7	64.2					
≥ 16000	38.7	49.2	52.3	55.2	56.1	56.1	58.3	59.6	60.1	61.4	61.6	61.6	62.8	62.9	63.7	64.2					
≥ 14000	39.2	49.8	52.8	55.7	56.7	56.7	58.8	60.1	60.6	61.9	62.2	62.2	63.3	63.4	64.2	64.7					
≥ 12000	39.8	51.1	54.4	57.5	58.6	58.6	60.8	62.0	62.6	64.1	64.3	64.3	65.5	65.6	66.3	66.9					
≥ 10000	40.1	51.6	54.9	58.5	59.7	59.7	61.8	63.1	63.7	65.2	65.4	65.4	66.6	66.7	67.4	68.0					
≥ 9000	41.2	53.7	57.0	60.6	62.0	62.2	64.3	65.6	66.1	67.6	67.8	67.8	69.0	69.1	69.9	70.4					
≥ 8000	42.0	54.9	58.3	61.9	63.3	63.4	65.6	66.9	67.4	69.0	69.2	69.2	70.4	70.5	71.3	71.8					
≥ 7000	43.7	56.8	60.1	63.8	65.2	65.3	67.5	68.8	69.4	71.0	71.2	71.2	72.4	72.5	73.2	73.8					
≥ 6000	45.1	58.3	61.7	65.5	66.9	67.0	69.5	70.8	71.3	72.9	73.1	73.1	74.3	74.4	75.2	75.7					
≥ 5000	47.2	61.3	64.7	68.5	70.0	70.3	72.8	74.1	74.6	76.2	76.5	76.5	77.6	77.7	78.5	79.0					
≥ 4500	48.1	62.6	66.0	69.8	71.5	71.8	74.3	75.6	76.1	77.7	78.0	78.0	79.1	79.2	80.0	80.5					
≥ 4000	49.4	64.1	67.5	71.6	73.3	73.7	76.1	77.4	78.0	79.6	79.8	79.8	81.0	81.1	81.8	82.4					
≥ 3500	51.1	66.0	69.8	74.0	75.7	76.0	78.5	79.8	80.3	81.9	82.2	82.2	83.3	83.4	84.2	84.7					
≥ 3000	52.0	67.8	71.6	75.8	77.5	78.0	80.4	81.7	82.3	83.9	84.1	84.1	85.3	85.4	86.2	86.8					
≥ 2500	52.7	69.2	73.0	77.3	79.0	79.5	81.9	83.2	83.8	85.6	85.8	85.8	87.0	87.1	88.0	88.5					
≥ 2000	53.9	70.6	74.5	79.0	80.8	81.2	83.7	84.9	85.5	87.3	87.5	87.5	88.7	88.8	89.7	90.2					
≥ 1800	54.3	71.4	75.3	80.0	81.7	82.2	84.6	85.9	86.5	88.3	88.5	88.5	89.7	89.8	90.6	91.2					
≥ 1500	55.1	72.5	76.3	81.1	82.8	83.3	85.8	87.1	87.6	89.5	89.7	89.7	90.9	91.0	91.8	92.4					
≥ 1200	55.3	73.0	76.0	81.6	83.3	83.9	86.3	87.6	88.2	90.0	90.2	90.2	91.4	91.5	92.4	92.9					
≥ 1000	55.4	73.3	77.2	81.9	83.7	84.2	86.7	88.0	88.5	90.3	90.5	90.5	91.7	91.8	92.7	93.2					
≥ 900	55.4	73.9	77.7	82.5	84.2	84.7	87.2	88.5	89.0	90.9	91.1	91.1	92.3	92.4	93.2	93.8					
≥ 800	55.4	73.9	77.7	82.5	84.2	84.7	87.2	88.5	89.0	90.9	91.1	91.1	92.3	92.4	93.2	93.8					
≥ 700	55.4	74.1	78.0	82.9	84.7	85.3	87.8	89.1	89.7	91.8	92.0	92.0	93.2	93.3	94.2	94.7					
≥ 600	55.4	74.2	78.2	83.2	85.1	85.6	88.2	89.5	90.0	92.3	92.5	92.5	93.7	93.8	94.6	95.2					
≥ 500	55.4	74.3	78.3	83.4	85.3	85.8	88.4	89.7	90.2	92.5	92.7	92.7	93.9	94.0	94.8	95.4					
≥ 400	55.4	74.3	78.3	83.5	85.4	85.9	88.5	89.8	90.3	92.8	93.0	93.0	94.2	94.3	95.1	95.7					
≥ 300	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 200	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 100	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 50	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 20	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 10	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 5	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 2	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 1	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.5	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.25	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.15	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.1	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.05	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.025	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.015	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.01	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.005	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.0025	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.0015	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					
≥ 0.001	55.4	74.5	78.5	84.0	86.0	86.6	89.2	90.5	91.0	93.8	94.0	94.0	95.2	95.3	96.6	97.1					

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF 4 AND 400 OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260 MCGHEE TYSON AIRPORT TN

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-7822

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)													
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512	≥1/1024	≥1/2048	≥1/4096	≥1/8192	≥1/16384	≥1/32768	≥1/65536	≥1/131072	≥1/262144	≥1/524288	
NO CEILING	26.9	35.7	38.7	41.4	42.8	43.7	45.5	46.3	46.3	46.5	48.7	48.7	48.7	50.6	50.9	51.7	53.8													
≥20000	29.6	39.1	41.6	45.2	46.7	47.0	49.5	50.5	50.5	52.8	53.7	53.7	55.1	55.3	57.4	58.3														
≥18000	29.6	39.1	41.6	45.2	46.7	47.0	49.5	50.5	50.5	52.8	53.7	53.7	55.1	55.3	57.4	58.3														
≥16000	29.6	39.1	41.6	45.3	46.8	47.1	49.6	50.6	50.6	52.9	53.1	53.1	55.2	55.4	57.5	58.4														
≥14000	29.7	39.4	41.9	45.6	47.1	47.4	49.9	51.1	51.1	53.4	53.7	53.7	55.9	56.1	58.3	59.1														
≥12000	30.6	40.8	43.7	47.7	49.4	49.8	52.3	53.5	53.5	55.9	56.1	56.1	58.4	58.6	60.8	61.6														
≥10000	31.2	41.9	44.9	49.2	51.0	51.5	54.1	55.4	55.4	57.7	58.7	58.7	60.3	60.5	62.7	63.5														
≥9000	31.8	42.9	45.9	50.3	52.0	52.6	55.3	56.6	56.6	58.9	59.1	59.1	61.5	61.7	63.9	64.7														
≥8000	32.4	43.9	47.1	51.5	53.4	54.1	56.9	58.1	58.1	60.5	60.8	60.8	63.1	63.3	65.5	66.3														
≥7000	33.2	44.8	48.2	52.7	54.6	55.5	58.4	59.7	59.7	62.2	62.4	62.4	64.7	64.9	67.1	68.0														
≥6000	34.3	46.3	49.8	54.5	56.6	57.4	60.3	61.6	61.6	64.1	64.3	64.3	66.7	66.9	69.1	70.0														
≥5000	36.6	49.5	53.2	58.3	60.4	61.4	64.4	65.7	65.8	68.6	68.9	68.9	71.3	71.5	73.8	74.6														
≥4500	37.7	51.3	55.1	60.1	62.3	63.2	66.6	67.8	68.0	71.1	71.4	71.4	73.8	74.7	76.2	77.1														
≥4000	38.2	52.5	56.2	61.3	63.4	64.4	67.7	69.0	69.1	72.3	72.6	72.6	74.9	75.2	77.4	78.3														
≥3500	38.8	53.4	57.2	62.4	64.6	65.6	69.7	70.3	70.5	73.7	74.1	74.1	76.7	76.9	79.1	80.0														
≥3000	39.8	54.6	58.4	63.8	66.0	67.1	70.5	71.8	72.0	75.3	75.7	75.7	78.3	78.5	80.8	81.6														
≥2500	41.7	57.6	61.5	67.0	69.2	70.3	74.1	75.6	75.8	79.7	79.5	79.5	82.2	82.4	84.6	85.5														
≥2000	43.1	59.8	63.8	69.7	71.9	73.0	76.9	78.4	78.6	81.9	82.4	82.4	85.1	85.3	87.5	88.4														
≥1800	43.7	60.5	64.5	70.5	72.8	73.9	77.7	79.2	79.5	83.0	83.4	83.4	86.1	86.3	88.6	89.5														
≥1500	43.9	61.1	65.1	71.1	73.3	74.5	78.5	80.0	80.2	83.8	84.2	84.2	86.9	87.1	89.4	90.2														
≥1000	44.2	61.6	65.6	71.7	74.0	75.2	79.1	80.6	80.9	84.4	84.8	84.8	87.5	87.7	90.0	90.9														
≥900	44.5	62.0	66.0	72.2	74.4	75.6	79.6	81.1	81.3	84.8	85.3	85.3	88.7	88.9	91.2	92.7														
≥800	44.5	62.7	66.7	72.8	75.1	76.2	80.3	81.8	82.0	85.6	86.0	86.0	88.7	88.9	91.2	92.7														
≥700	44.5	62.7	66.7	72.9	75.2	76.3	80.9	82.4	82.6	86.1	86.6	86.6	89.2	89.5	91.7	92.6														
≥600	44.5	62.7	66.7	73.2	75.5	76.7	81.4	82.9	83.1	86.7	87.1	87.1	89.8	90.0	92.3	93.1														
≥500	44.6	62.8	67.0	73.8	76.0	77.3	82.0	83.7	83.9	87.4	87.8	87.8	90.5	90.8	93.7	93.9														
≥400	44.6	62.8	67.0	74.0	76.2	77.7	82.5	84.1	84.3	87.8	88.3	88.3	91.2	91.4	93.7	94.5														
≥300	44.6	62.8	67.0	74.0	76.2	77.8	82.7	84.6	84.8	88.8	89.4	89.4	92.3	92.5	94.8	95.7														
≥200	44.6	62.8	67.0	74.0	76.2	77.8	82.7	84.6	84.8	89.0	89.7	89.7	92.7	92.9	95.9	96.8														
≥100	44.6	62.8	67.0	74.0	76.2	78.0	82.9	84.9	85.2	89.4	90.0	90.0	93.1	93.3	97.3	98.9														
≥0	44.6	62.8	67.0	74.0	76.2	78.0	82.9	84.9	85.2	89.4	90.0	90.0	93.1	93.3	97.5	100.0														

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN

73-87

001

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

900-1100

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥25000	32.7	44.1	47.1	50.1	52.9	53.3	55.2	55.6	55.7	56.6	56.7	56.7	56.7	56.7	57.5	57.7
≥18000	35.8	47.6	50.9	53.9	56.9	57.4	59.2	59.7	59.8	60.6	60.8	60.8	60.8	60.8	61.6	61.8
≥16000	35.9	47.7	51.0	54.2	57.2	57.7	59.6	60.0	60.1	61.0	61.1	61.1	61.1	61.1	61.9	62.2
≥14000	36.0	47.8	51.1	54.3	57.3	57.8	59.7	60.1	60.2	61.1	61.2	61.2	61.2	61.2	62.0	62.3
≥12000	36.7	48.2	51.5	54.8	57.8	58.4	60.2	60.8	60.9	61.8	61.9	61.9	61.9	61.9	62.8	63.0
≥10000	36.9	49.4	53.1	56.6	59.8	60.3	62.3	63.0	63.1	64.1	64.2	64.2	64.2	64.2	65.1	65.3
≥8000	37.3	50.4	54.2	57.6	60.9	61.4	63.3	64.1	64.2	65.2	65.3	65.3	65.3	65.3	66.1	66.3
≥6000	37.5	51.0	54.7	58.3	61.5	62.0	64.0	64.7	64.8	65.8	65.9	65.9	65.9	65.9	66.8	67.0
≥4000	38.1	51.7	55.7	59.6	62.9	63.4	65.6	66.5	66.6	67.5	67.6	67.6	67.6	67.6	68.5	68.7
≥2000	39.1	52.9	56.9	61.0	64.4	65.2	67.3	68.3	68.4	69.4	69.5	69.5	69.5	69.5	70.3	70.5
≥1000	39.7	54.0	58.0	62.4	65.8	66.6	68.8	69.8	69.9	70.9	71.0	71.0	71.0	71.0	71.8	72.0
≥500	41.2	55.9	60.0	64.6	68.2	68.9	71.2	72.5	72.6	73.5	73.7	73.7	73.7	73.7	74.5	74.7
≥400	42.6	57.4	61.5	66.2	69.8	70.8	73.0	74.5	74.6	75.7	75.8	75.8	75.9	75.9	76.8	77.0
≥300	43.1	58.2	62.3	67.2	70.8	71.7	74.0	75.6	75.8	77.0	77.1	77.1	77.2	77.2	78.1	78.3
≥200	43.8	58.9	63.0	68.1	71.7	72.7	75.3	76.9	77.1	78.3	78.4	78.4	78.5	78.5	79.4	79.6
≥100	44.8	60.2	64.4	69.8	73.4	74.4	77.7	78.6	78.8	80.0	80.1	80.1	80.2	80.2	81.1	81.3
≥50	46.2	62.2	66.8	72.5	76.3	77.4	80.4	82.3	82.5	83.8	83.9	83.9	84.0	84.0	84.8	85.1
≥20	47.6	64.0	68.9	75.2	79.0	80.1	83.4	85.3	85.5	86.9	87.0	87.0	87.1	87.1	88.0	88.2
≥10	48.2	64.6	69.6	76.0	80.0	81.1	84.4	86.2	86.5	87.8	88.0	88.0	88.1	88.1	88.9	89.1
≥5	48.7	65.5	70.5	77.1	81.1	82.2	85.5	87.3	87.5	88.9	89.0	89.0	89.1	89.1	90.0	90.2
≥2	49.1	66.0	71.2	77.7	81.8	82.9	86.2	88.1	88.3	89.7	89.8	89.8	89.9	89.9	90.8	91.0
≥1	49.2	66.1	71.4	78.0	82.0	83.1	86.5	88.3	88.5	90.0	90.1	90.1	90.2	90.2	91.1	91.3
≥0.5	49.2	66.7	72.0	78.7	82.8	83.9	87.2	89.0	89.2	90.8	90.9	90.9	91.0	91.0	91.8	92.0
≥0.25	49.5	66.9	72.3	78.9	83.1	84.2	88.0	89.8	90.0	91.5	91.6	91.6	91.7	91.7	92.6	92.8
≥0.1	49.5	67.1	72.7	79.5	83.8	84.9	88.9	90.8	91.0	92.5	92.6	92.6	92.7	92.7	93.5	93.8
≥0.05	49.6	67.2	72.8	79.8	84.1	85.3	89.8	91.6	91.9	93.7	93.8	93.8	93.9	93.9	94.7	94.9
≥0.025	49.6	67.4	73.2	80.2	84.6	85.9	90.6	92.6	92.9	94.8	94.9	94.9	95.2	95.2	96.0	96.2
≥0.01	49.6	67.6	73.4	80.4	84.8	86.3	91.3	93.4	93.8	96.2	96.7	96.7	97.0	97.0	98.0	98.3
≥0.005	49.6	67.7	73.5	80.6	85.1	86.6	91.6	93.8	94.1	96.8	97.2	97.2	97.6	97.6	98.7	99.0
≥0.0025	49.6	67.7	73.5	80.6	85.1	86.6	91.7	93.9	94.2	97.0	97.4	97.4	98.1	98.1	99.6	99.9
≥0.001	49.6	67.7	73.5	80.6	85.1	86.6	91.7	93.9	94.2	97.0	97.4	97.4	98.1	98.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

17.0-15.0
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE90	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE48	≥2 GE40	≥2 GE32	≥1.5 GE24	≥1.5 GE22	≥1 GE16	≥1 GE14	≥1 GE12	≥1 GE10	≥1 GE08	≥1 GE06	≥1 GE04
NO CEILING	47.5	54.3	56.7	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	52.4	60.6	63.7	64.9	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 18000	52.4	60.6	63.7	65.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	52.5	60.8	63.8	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 14000	52.6	61.1	64.1	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 12000	54.4	63.2	66.2	67.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	54.9	64.4	67.4	68.8	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 9000	55.9	65.6	68.6	70.1	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 8000	56.2	66.3	69.5	71.0	71.7	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	56.9	67.5	70.6	72.3	73.0	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 6000	57.7	68.5	71.6	73.2	74.0	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 5000	60.5	72.3	75.5	77.3	78.2	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	61.3	73.1	76.3	78.2	79.0	79.2	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4000	62.3	74.2	77.4	79.2	80.1	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500	63.8	76.1	79.7	81.6	82.5	82.7	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	65.2	78.3	82.7	84.0	84.8	85.1	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	66.9	80.5	84.5	86.5	87.5	87.7	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	68.7	83.1	87.3	89.5	90.5	90.9	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	69.1	83.8	88.7	90.1	91.2	91.5	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	69.6	84.4	88.7	91.2	92.4	92.7	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	69.7	84.8	89.1	91.8	93.0	93.3	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	69.8	85.4	89.7	92.4	93.7	94.0	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900	69.8	85.5	89.9	92.8	94.1	94.4	95.2	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	70.0	85.7	90.2	93.1	94.4	94.7	95.7	96.0	96.2	96.3	96.5	96.5	96.6	96.6	96.6	96.6
≥ 700	70.0	85.8	90.3	93.3	94.7	95.1	96.2	96.6	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1
≥ 600	70.1	86.0	90.6	94.1	95.7	96.0	97.3	97.8	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4
≥ 500	70.1	86.0	90.6	94.1	95.7	96.0	97.3	97.8	98.2	98.6	98.8	98.8	98.9	98.9	98.9	98.9
≥ 400	70.1	86.0	90.8	94.2	95.8	96.1	97.5	98.1	98.4	98.9	99.1	99.1	99.2	99.2	99.2	99.2
≥ 300	70.1	86.0	90.8	94.2	95.8	96.2	97.6	98.2	98.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	70.1	86.0	90.8	94.2	95.8	96.2	97.6	98.2	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	70.1	86.0	90.8	94.2	95.8	96.2	97.6	98.2	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	70.1	86.0	90.8	94.2	95.8	96.2	97.6	98.2	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

73-62
YEARS

001
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	53.0	56.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	58.8	63.8	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	58.9	63.9	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000	58.9	63.9	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 14000	59.7	64.8	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	62.1	67.7	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 10000	63.6	69.5	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 9000	64.6	70.5	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000	65.1	71.2	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 7000	66.1	72.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000	67.7	74.1	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	70.9	77.5	79.7	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4500	72.6	79.2	81.4	82.0	82.0	82.0	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	74.4	81.3	83.4	84.2	84.5	84.5	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	75.7	82.7	85.1	85.9	86.2	86.2	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	76.7	84.4	87.7	87.8	88.2	88.2	88.4	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	78.7	87.2	89.8	90.6	91.0	91.0	91.2	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	79.9	88.9	91.5	92.4	92.7	92.7	92.9	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	80.1	89.3	91.9	92.8	93.1	93.1	93.3	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	82.1	89.7	92.5	93.3	93.8	93.8	94.1	94.5	94.5	94.6	94.7	94.7	94.8	94.8	94.8	94.8
≥ 1200	80.3	90.4	93.3	94.2	94.6	94.6	94.9	95.4	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.8
≥ 1000	80.4	90.6	93.6	94.5	94.9	94.9	95.3	95.7	95.7	95.9	96.0	96.0	96.1	96.1	96.1	96.1
≥ 900	80.4	90.9	94.1	94.9	95.4	95.4	95.7	96.1	96.1	96.3	96.4	96.4	96.7	96.7	96.7	96.7
≥ 800	80.5	91.3	94.6	95.5	95.9	95.9	96.2	96.8	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.3
≥ 700	80.5	91.5	94.8	95.8	96.2	96.2	96.6	97.1	97.1	97.3	97.4	97.4	97.6	97.6	97.6	97.6
≥ 600	80.5	91.7	95.2	96.3	96.8	96.8	97.1	97.7	97.8	98.1	98.2	98.2	98.4	98.4	98.4	98.4
≥ 500	80.5	91.7	95.2	96.3	96.8	97.0	97.6	98.4	98.7	99.0	99.1	99.1	99.4	99.4	99.4	99.4
≥ 400	80.5	91.7	95.2	96.3	96.9	97.1	97.7	98.7	99.0	99.4	99.5	99.5	99.7	99.7	99.7	99.7
≥ 300	80.5	91.7	95.2	96.3	96.9	97.1	97.7	98.8	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9
≥ 200	80.5	91.7	95.2	96.3	96.9	97.1	97.7	98.8	99.1	99.6	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	80.5	91.7	95.2	96.3	96.9	97.1	97.7	98.8	99.1	99.6	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	80.5	91.7	95.2	96.3	96.9	97.1	97.7	98.8	99.1	99.6	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN
STATION STATION NAME

73-87
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 0-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ90	≥5 GE8	≥4 GE60	≥3 GE48	≥2 GE40	≥2 GE32	≥1 GE24	≥1 GE20	≥1 GE16	≥1 GE12	≥1 GE10	≥1 GE08	≥1 GE05	≥1 GE04	≥0 GEO
NO CEILING	56.6	60.5	62.3	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	62.3	66.6	68.1	68.3	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 18000	62.3	66.7	68.2	68.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 16000	62.3	66.7	68.2	68.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 14000	62.4	66.8	68.3	68.5	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	65.8	70.5	72.7	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 10000	66.8	71.7	73.2	73.7	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	67.6	72.7	74.3	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000	68.6	73.9	75.5	75.9	76.7	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 7000	69.8	75.3	76.9	77.4	77.8	78.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	72.2	78.4	80.7	80.5	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 5000	74.8	81.6	83.2	84.0	84.4	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	76.1	83.2	84.8	85.6	86.2	86.3	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 4000	76.9	84.7	85.6	86.3	87.0	87.1	87.2	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	78.3	85.8	87.4	88.5	89.2	89.4	89.5	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	79.5	87.2	88.8	89.9	90.6	90.8	90.9	91.3	91.3	91.6	91.6	91.6	91.7	91.7	91.7	91.7
≥ 2500	80.5	89.2	90.9	91.9	92.7	92.8	92.9	93.4	93.4	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 2000	81.3	90.3	91.9	93.0	93.8	93.9	94.0	94.5	94.5	94.9	94.9	94.9	95.1	95.1	95.1	95.1
≥ 1800	81.3	90.3	91.9	93.0	93.8	93.9	94.0	94.5	94.5	94.9	94.9	94.9	95.1	95.1	95.1	95.1
≥ 1500	81.3	91.3	93.1	94.2	94.9	95.1	95.2	95.7	95.7	96.1	96.1	96.1	96.2	96.2	96.2	96.2
≥ 1200	81.3	91.8	93.7	94.8	95.7	95.8	96.0	96.6	96.6	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 1000	81.3	92.0	93.9	95.1	96.0	96.2	96.5	97.0	97.0	97.4	97.5	97.5	97.6	97.6	97.6	97.6
≥ 900	81.3	92.4	94.2	95.4	96.3	96.6	96.8	97.3	97.3	97.7	97.8	97.8	98.0	98.0	98.0	98.0
≥ 800	81.3	92.5	94.3	95.6	96.7	96.9	97.2	97.8	97.8	98.3	98.4	98.4	98.5	98.5	98.5	98.5
≥ 700	81.3	92.5	94.3	96.0	97.2	97.4	97.8	98.5	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.2
≥ 600	81.3	92.5	94.3	96.2	97.4	97.6	98.3	99.0	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.8
≥ 500	81.3	92.6	94.4	96.3	97.5	97.7	98.4	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	81.3	92.6	94.4	96.3	97.5	97.7	98.4	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	81.3	92.6	94.4	96.3	97.5	97.7	98.4	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	81.3	92.6	94.4	96.3	97.5	97.7	98.4	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	81.3	92.6	94.4	96.3	97.5	97.7	98.4	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	81.3	92.6	94.4	96.3	97.5	97.7	98.4	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MC GHEE TYSON AIRPORT TN
STATION NAME

73-67
YEAR

001
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	54.8	60.2	61.9	62.7	62.9	62.9	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.3
≥ 20000	57.5	64.2	65.9	66.7	66.9	66.9	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3
IN 18000	57.6	64.3	66.0	66.8	67.0	67.0	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.4
IN 16000	57.6	64.3	66.0	66.8	67.0	67.0	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.4
IN 14000	58.1	64.8	66.6	67.3	67.5	67.5	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	68.0
IN 12000	59.8	67.6	69.4	70.2	70.4	70.4	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.9
IN 10000	60.3	68.3	70.2	71.2	71.4	71.4	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.8
IN 9000	61.7	69.8	71.9	72.9	73.1	73.1	73.3	73.4	73.4	73.4	73.5	73.7	73.7	73.7	73.7	73.8
IN 8000	62.5	71.0	73.2	74.2	74.4	74.4	74.6	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	75.1
IN 7000	64.8	73.7	75.9	76.9	77.1	77.1	77.3	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.7
IN 6000	67.0	76.2	78.6	79.6	79.8	79.8	80.0	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.4
IN 5000	69.1	79.1	81.5	83.1	83.3	83.3	83.5	83.7	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.1
IN 4500	70.5	81.1	83.4	85.3	85.5	85.5	85.7	85.8	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.3
IN 4000	71.1	81.6	84.2	86.3	86.6	86.6	86.8	86.9	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.4
IN 3500	71.6	82.5	84.8	87.1	87.3	87.3	87.7	87.8	87.8	88.2	88.3	88.3	88.3	88.4	88.4	88.5
IN 3000	72.4	84.1	86.5	88.8	89.0	89.0	89.5	89.6	89.6	89.9	90.0	90.0	90.0	90.1	90.1	90.2
IN 2500	73.7	86.5	88.8	91.5	91.7	91.7	92.2	92.5	92.5	92.8	92.9	92.9	92.9	93.0	93.0	93.1
IN 2000	74.5	87.5	89.9	92.6	92.8	92.8	93.2	93.5	93.5	93.9	94.0	94.0	94.0	94.1	94.1	94.2
IN 1800	74.6	88.0	90.4	93.1	93.3	93.3	93.8	94.1	94.1	94.4	94.5	94.5	94.5	94.6	94.6	94.7
IN 1500	74.9	88.7	91.3	94.0	94.3	94.4	95.1	95.4	95.4	95.7	95.8	95.8	95.8	95.9	95.9	96.0
IN 1200	75.3	89.1	91.8	94.6	95.1	95.2	95.8	96.1	96.1	96.5	96.6	96.6	96.6	96.7	96.7	96.8
IN 1000	75.3	89.2	92.0	94.8	95.5	95.6	96.2	96.6	96.6	96.9	97.0	97.0	97.0	97.1	97.1	97.2
IN 900	75.4	89.5	92.4	95.5	96.1	96.2	96.9	97.2	97.2	97.5	97.6	97.6	97.6	97.7	97.7	97.8
IN 800	75.4	89.6	92.5	95.6	96.3	96.5	97.1	97.4	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1
IN 700	75.4	89.7	92.7	95.8	96.7	96.8	97.4	97.7	97.7	98.1	98.2	98.2	98.2	98.3	98.3	98.4
IN 600	75.4	89.7	92.7	96.0	96.9	97.0	97.6	98.0	98.0	98.3	98.4	98.4	98.4	98.5	98.5	98.6
IN 500	75.4	89.7	92.8	96.2	97.1	97.2	97.8	98.2	98.2	98.5	98.6	98.6	98.6	98.7	98.7	98.8
IN 400	75.4	89.8	92.9	96.3	97.2	97.3	98.0	98.3	98.3	98.6	98.7	98.7	98.7	98.8	98.8	98.9
IN 300	75.4	90.0	93.1	96.6	97.4	97.5	98.3	98.6	98.6	98.9	99.0	99.0	99.0	99.1	99.1	99.2
IN 200	75.4	90.0	93.1	96.8	97.6	97.7	98.6	99.0	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.7
IN 100	75.4	90.0	93.1	96.8	97.6	97.7	98.6	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.7	100.0
IN 0	75.4	90.0	93.1	96.8	97.6	97.7	98.6	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

737267 MCGHEE TYSON AIRPORT TN
STATION NAME

73-67

207

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

VISIBILITY	OR (HUNDREDS OF METERS)															
	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
2000	44.6	51.9	54.1	55.8	56.6	56.7	57.5	57.9	58.0	58.6	58.7	58.7	59.1	59.1	59.6	59.9
1800	47.9	56.1	58.6	60.3	61.2	61.4	62.2	62.7	62.9	63.3	63.4	63.4	63.9	63.9	64.4	64.7
1600	47.9	56.2	58.7	60.4	61.3	61.5	62.3	62.8	62.9	63.4	63.5	63.5	64.0	64.0	64.5	64.8
1400	48.0	56.2	58.7	60.5	61.4	61.5	62.4	62.8	62.9	63.5	63.6	63.6	64.0	64.1	64.6	64.8
1200	48.3	56.6	59.1	60.9	61.8	62.0	62.8	63.3	63.4	64.0	64.1	64.1	64.6	64.6	65.1	65.4
1000	49.8	58.7	61.4	63.3	64.3	64.4	65.3	65.8	65.9	66.6	66.6	66.6	67.1	67.2	67.7	68.0
800	51.5	59.8	62.6	64.7	65.6	65.8	66.7	67.2	67.3	68.0	68.1	68.1	68.6	68.7	69.1	69.4
600	51.4	61.0	63.9	66.0	67.0	67.2	68.1	68.7	68.7	69.4	69.5	69.5	70.0	70.1	70.6	70.9
400	52.1	62.1	65.0	67.2	68.2	68.4	69.4	70.0	70.1	70.8	70.9	70.9	71.4	71.4	71.9	72.2
200	53.5	63.7	66.7	68.9	70.0	70.3	71.3	71.9	72.0	72.7	72.8	72.8	73.3	73.3	73.8	74.1
100	54.9	65.5	68.5	70.9	71.9	72.2	73.3	73.9	73.9	74.7	74.8	74.8	75.3	75.3	75.8	76.1
50	57.2	68.4	71.5	74.1	75.2	75.5	76.7	77.3	77.4	78.2	78.3	78.3	78.8	78.9	79.4	79.7
25	58.4	70.0	73.0	75.7	76.9	77.3	78.5	79.2	79.3	80.1	80.2	80.2	80.8	80.9	81.3	81.6
12.5	59.3	71.1	74.2	77.0	78.3	78.6	79.8	80.5	80.7	81.5	81.7	81.7	82.2	82.2	82.7	83.0
6.25	60.4	72.5	75.7	78.7	80.0	80.3	81.6	82.4	82.5	83.4	83.5	83.5	84.1	84.1	84.6	84.9
3.125	61.4	74.2	77.5	80.6	81.9	82.2	83.5	84.3	84.4	85.3	85.5	85.5	86.1	86.1	86.6	86.9
1.5625	62.8	76.4	79.8	83.0	84.4	84.8	86.2	87.0	87.2	88.1	88.3	88.3	88.9	88.9	89.4	89.7
0.78125	64.1	78.1	81.6	85.1	86.4	86.8	88.3	89.1	89.3	90.3	90.4	90.4	91.0	91.1	91.6	91.9
0.390625	64.4	78.6	82.1	85.7	87.0	87.5	88.9	89.8	89.9	91.0	91.1	91.1	91.7	91.7	92.3	92.5
0.1953125	64.8	79.3	82.9	86.5	87.9	88.4	89.9	90.8	90.9	92.0	92.1	92.1	92.7	92.8	93.3	93.6
0.09765625	65.0	79.9	83.5	87.2	88.7	89.2	90.7	91.6	91.7	92.8	92.9	92.9	93.5	93.6	94.1	94.4
0.048828125	65.1	80.1	83.9	87.5	89.0	89.5	91.1	91.9	92.1	93.2	93.3	93.3	93.9	94.0	94.5	94.8
0.0244140625	65.1	80.5	84.3	88.0	89.6	90.0	91.6	92.5	92.6	93.7	93.9	93.9	94.5	94.5	95.1	95.3
0.01220703125	65.2	80.6	84.4	88.2	89.8	90.3	91.9	92.8	93.0	94.1	94.3	94.3	94.9	95.0	95.5	95.8
0.006103515625	65.2	80.8	84.6	88.5	90.2	90.7	92.4	93.4	93.5	94.7	94.8	94.8	95.5	95.5	96.0	96.3
0.0030517578125	65.2	80.9	84.7	88.9	90.5	91.0	93.0	93.9	94.1	95.3	95.5	95.5	96.1	96.2	96.7	97.0
0.00152587890625	65.2	80.9	84.9	89.1	90.8	91.4	93.4	94.4	94.6	95.9	96.1	96.1	96.7	96.8	97.3	97.6
0.000762939453125	65.2	81.0	84.9	89.2	90.9	91.6	93.6	94.7	94.9	96.3	96.5	96.5	97.2	97.3	97.8	98.1
0.0003814697265625	65.2	81.0	85.0	89.3	91.1	91.7	93.8	95.0	95.2	96.7	97.0	97.0	97.7	97.7	98.4	98.7
0.00019073486328125	65.2	81.0	85.0	89.4	91.1	91.8	94.1	95.2	95.4	97.1	97.4	97.4	98.1	98.2	98.9	99.2
0.000095367431640625	65.2	81.0	85.0	89.4	91.1	91.8	94.1	95.3	95.5	97.2	97.5	97.5	98.3	98.4	99.3	99.8
0.0000476837158203125	65.2	81.0	85.0	89.4	91.1	91.8	94.1	95.3	95.5	97.2	97.5	97.5	98.3	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0200

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	40.1	49.4	50.9	51.7	52.4	52.4	52.8	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.4	53.6
≥18000	42.1	52.1	53.6	54.4	55.2	55.2	55.6	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.2	56.7
≥16000	42.4	52.4	53.9	54.8	55.6	55.6	55.9	55.9	55.9	56.4	56.4	56.4	56.4	56.4	56.6	57.0
≥14000	42.4	52.7	54.1	55.0	55.8	55.8	56.1	56.1	56.1	56.7	56.7	56.7	56.7	56.7	56.8	57.2
≥12000	43.7	53.3	54.9	55.7	56.4	56.4	56.8	56.8	56.8	57.3	57.3	57.3	57.3	57.3	57.4	57.9
≥10000	44.3	55.3	56.8	57.7	58.4	58.4	58.9	58.9	58.9	59.3	59.3	59.3	59.3	59.3	59.4	59.9
≥8000	45.4	56.8	58.2	59.1	59.9	59.9	60.3	60.3	60.3	60.9	60.9	60.9	60.9	60.9	61.0	61.4
≥6000	46.0	57.8	59.4	60.4	61.2	61.2	61.7	61.7	61.7	62.2	62.2	62.2	62.2	62.2	62.3	62.8
≥4500	47.1	59.6	61.2	62.2	63.0	63.0	63.4	63.4	63.4	64.0	64.0	64.0	64.0	64.0	64.1	64.6
≥3000	48.9	62.7	64.3	65.4	66.2	66.2	66.7	66.7	66.7	67.2	67.2	67.2	67.2	67.2	67.3	67.8
≥2000	50.1	64.3	66.1	67.4	68.2	68.2	68.7	68.7	68.7	69.2	69.2	69.2	69.2	69.2	69.3	69.8
≥1500	51.4	66.6	68.7	70.1	71.0	71.0	71.8	71.8	71.8	72.3	72.3	72.3	72.3	72.3	72.4	72.9
≥1000	53.7	69.6	71.7	73.4	74.3	74.3	75.1	75.4	75.4	76.0	76.0	76.0	76.0	76.0	76.1	76.6
≥750	54.2	71.2	73.3	75.2	76.3	76.3	77.3	77.6	77.6	78.1	78.1	78.1	78.1	78.1	78.2	78.7
≥500	55.9	73.8	75.9	78.1	79.2	79.2	80.3	80.6	80.6	81.1	81.1	81.1	81.1	81.1	81.2	81.7
≥250	57.8	76.8	78.9	81.6	82.7	82.7	83.9	84.1	84.1	84.7	84.7	84.7	84.8	84.8	84.9	85.3
≥150	59.7	79.0	81.2	84.0	85.3	85.3	86.8	87.0	87.1	87.7	87.7	87.7	87.8	87.8	87.9	88.3
≥100	59.9	80.4	83.1	86.1	87.7	87.7	89.2	89.4	89.6	90.2	90.2	90.2	90.3	90.3	90.4	90.9
≥75	60.0	81.0	83.7	86.7	88.2	88.2	89.8	90.0	90.1	90.8	90.8	90.8	90.9	90.9	91.0	91.4
≥50	60.0	81.4	84.2	87.2	88.8	88.8	90.3	90.6	90.7	91.3	91.3	91.3	91.4	91.4	91.6	92.0
≥25	60.3	82.7	85.4	88.8	90.4	90.4	92.0	92.2	92.3	93.1	93.1	93.1	93.2	93.2	93.3	93.8
≥15	60.3	82.9	85.7	89.0	90.8	90.8	92.6	92.9	93.0	93.8	93.8	93.8	93.9	93.9	94.0	94.4
≥10	60.3	83.2	86.1	89.7	91.4	91.4	93.2	93.7	93.8	94.8	94.8	94.8	94.9	94.9	95.0	95.4
≥7.5	60.3	83.2	86.1	89.8	91.7	91.7	93.4	93.9	94.0	95.1	95.1	95.1	95.2	95.2	95.3	95.8
≥5	60.3	83.3	86.2	90.2	92.1	92.1	94.2	94.8	94.9	96.0	96.0	96.0	96.1	96.1	96.2	96.7
≥2.5	60.3	83.4	86.4	90.7	92.6	92.7	94.9	95.4	95.6	96.8	96.8	96.8	96.9	96.9	97.0	97.4
≥1.5	60.3	83.7	86.8	91.2	93.1	93.6	95.9	96.4	96.6	97.8	97.8	97.8	97.9	97.9	98.0	98.4
≥1	60.3	83.7	86.8	91.4	93.3	93.8	96.2	96.9	97.0	98.2	98.2	98.2	98.6	98.6	98.7	99.1
≥0.5	60.3	83.7	86.8	91.4	93.4	93.9	96.3	97.0	97.1	98.6	98.6	98.6	98.9	98.9	99.0	99.4
≥0.25	60.3	83.7	86.8	91.4	93.4	93.9	96.3	97.0	97.1	98.6	98.6	98.6	99.0	99.0	99.2	100.0
≥0.1	60.3	83.7	86.8	91.4	93.4	93.9	96.3	97.0	97.1	98.6	98.6	98.6	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72726 MCGHEE TYSON AIRPORT TN

72-87

Y01

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0000

CEILING FEET	VISIBILITY - STATUTE MILES										OR (HUNDREDS OF METERS)									
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5
NO CEILING	40.1	49.4	50.9	51.7	52.4	52.4	52.8	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	42.1	52.1	53.6	54.4	55.2	55.2	55.6	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	42.4	52.4	53.9	54.8	55.6	55.6	55.9	55.9	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	42.4	52.7	54.1	55.0	55.8	55.8	56.1	56.1	56.1	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000	43.7	53.3	54.9	55.7	56.4	56.4	56.4	56.8	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	44.3	55.3	56.5	57.7	58.4	58.4	58.9	58.9	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	45.4	56.6	58.2	59.1	59.9	59.9	60.3	60.3	60.3	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	46.7	57.8	59.4	60.4	61.2	61.2	61.7	61.7	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	47.1	59.6	61.2	62.2	63.0	63.0	63.4	63.4	63.4	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	48.9	62.7	64.3	65.4	66.2	66.2	66.7	66.7	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	50.1	64.3	66.1	67.4	68.2	68.2	68.7	68.7	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	51.4	66.6	68.7	70.1	71.0	71.0	71.9	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	53.7	69.6	71.7	73.4	74.3	74.3	75.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	54.2	71.2	73.3	75.2	76.3	76.3	77.3	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3500	55.9	73.8	75.9	78.1	79.2	79.2	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000	57.8	76.8	78.9	81.6	82.7	82.7	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500	59.1	79.0	81.2	84.0	85.3	85.3	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	59.9	80.4	83.1	86.1	87.7	87.7	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	60.7	81.0	83.7	86.7	88.2	88.2	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1600	60.0	81.4	84.2	87.2	88.8	88.8	90.3	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1400	60.3	82.7	85.4	88.8	90.4	90.4	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	60.3	82.9	85.7	89.0	90.8	90.8	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	60.3	83.2	86.1	89.7	91.4	91.4	93.2	93.2	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	60.3	83.2	86.1	89.9	91.8	91.8	93.6	93.6	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 800	60.3	83.3	86.2	90.2	92.1	92.1	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	60.3	83.4	86.4	90.7	92.6	92.6	94.9	94.9	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 600	60.3	83.7	86.8	91.2	93.1	93.1	95.9	95.9	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500	60.3	83.7	86.8	91.4	93.3	93.3	96.2	96.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 400	60.3	83.7	86.8	91.4	93.4	93.4	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	60.3	83.7	86.8	91.4	93.4	93.4	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 200	60.3	83.7	86.8	91.4	93.4	93.4	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 100	60.3	83.7	86.8	91.4	93.4	93.4	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 0	60.3	83.7	86.8	91.4	93.4	93.4	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

770767 MCGHEE TYSON AIRPORT TN

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

770767

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																							
	≥10	≥20	≥30	≥40	≥50	≥60	≥70	≥80	≥90	≥100	≥120	≥140	≥160	≥180	≥200	≥250	≥300	≥350	≥400	≥450	≥500	≥550	≥600	≥650
≥20000	34.3	44.8	46.3	47.3	47.7	47.9	48.4	48.4	48.4	48.4	48.7	48.7	48.7	48.7	48.9	48.9	48.9	49.4	49.4	50.1	50.1	50.1	50.1	50.1
≥18000	36.2	47.6	49.1	50.1	50.4	50.7	51.2	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.7	51.7	52.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥16000	36.6	47.9	49.4	50.4	50.8	51.0	51.6	51.6	51.6	51.6	51.8	51.8	51.8	51.8	52.0	52.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥14000	37.6	49.0	50.6	51.6	51.9	52.1	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9	53.1	53.1	54.0	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥12000	39.0	50.9	52.4	53.6	54.0	54.2	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.2	55.2	56.1	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥10000	40.1	53.1	54.7	55.9	56.3	56.6	57.1	57.1	57.1	57.1	57.3	57.3	57.3	57.3	57.6	57.6	58.4	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥8000	40.7	54.9	56.4	57.8	58.2	58.4	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.4	59.4	60.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥6000	41.8	56.2	57.8	59.2	59.7	59.9	60.4	60.4	60.4	60.4	60.7	60.7	60.7	60.7	60.9	60.9	61.7	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥4000	43.6	58.9	60.6	62.4	62.9	63.1	63.7	63.7	63.7	63.7	64.0	64.0	64.0	64.0	64.2	64.2	65.1	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥2000	44.4	59.9	61.7	63.7	64.1	64.3	64.9	64.9	64.9	65.0	65.2	65.2	65.2	65.2	65.4	65.4	66.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥1000	46.8	62.8	64.8	66.8	67.7	67.9	68.4	68.4	68.4	68.4	68.7	68.7	68.7	68.7	68.9	68.9	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥500	48.3	65.2	67.2	69.3	70.2	70.4	71.0	71.0	71.0	71.2	71.6	71.6	71.6	71.6	71.8	71.8	72.7	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥250	49.0	66.2	68.2	71.1	72.0	72.2	72.8	72.8	72.8	73.1	73.4	73.4	73.4	73.4	73.7	73.7	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥150	51.6	69.2	71.3	74.8	75.7	75.9	76.4	76.4	76.4	76.9	77.3	77.3	77.3	77.3	77.6	77.6	78.4	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥100	52.7	71.2	73.4	77.2	78.2	78.4	79.0	79.2	79.2	79.4	79.9	79.9	79.9	79.9	80.1	80.1	81.0	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥75	54.3	74.0	76.2	80.2	81.2	81.4	82.1	82.3	82.6	83.0	83.0	83.0	83.0	83.0	83.2	83.2	84.1	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥50	54.6	75.4	77.8	82.0	83.1	83.7	84.9	85.0	85.0	85.0	85.7	85.7	85.7	85.7	85.9	85.9	86.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥25	54.7	75.8	78.1	82.4	83.6	84.1	85.2	85.4	85.7	86.1	86.1	86.1	86.1	86.1	86.3	86.3	87.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥15	54.7	76.9	79.3	83.7	84.9	85.4	86.6	86.8	87.0	87.4	87.4	87.4	87.4	87.4	87.7	87.7	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥10	55.1	78.4	81.1	85.4	86.8	87.3	88.6	88.8	89.0	89.4	89.4	89.4	89.4	89.4	89.7	89.7	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥5	55.4	79.1	81.8	86.1	87.4	88.0	89.3	89.9	90.1	90.7	90.7	90.7	90.7	90.7	90.9	90.9	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥2	55.4	79.3	82.0	86.7	88.1	88.7	90.2	90.8	91.0	91.6	91.6	91.6	91.6	91.6	91.8	91.8	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥1	55.4	79.3	82.0	86.7	88.1	88.7	90.2	90.8	91.0	91.6	91.6	91.6	91.6	91.6	91.8	91.8	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥0.5	55.6	79.7	82.3	87.1	88.6	89.2	90.8	91.3	91.6	92.1	92.1	92.1	92.1	92.1	92.3	92.3	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥0.25	55.6	79.8	82.4	87.6	89.1	89.8	91.3	91.9	92.1	92.7	92.7	92.7	92.7	92.7	92.9	92.9	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥0.15	55.6	80.2	82.9	88.0	89.7	90.3	92.0	92.6	92.8	93.3	93.3	93.3	93.3	93.3	93.6	93.6	94.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥0.1	55.6	80.2	83.2	88.6	90.2	90.9	92.7	93.4	93.7	94.3	94.3	94.3	94.3	94.3	94.7	94.7	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥0.05	55.6	80.3	83.3	88.9	90.6	91.2	93.1	94.0	94.2	95.4	95.4	95.4	95.4	95.4	95.9	95.9	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥0.025	55.6	80.3	83.3	88.9	90.6	91.2	93.4	94.6	94.8	96.2	96.2	96.2	96.2	96.2	97.0	97.0	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥0.015	55.6	80.3	83.3	88.9	90.6	91.2	93.4	94.6	94.8	96.4	96.4	96.4	96.4	96.4	97.2	97.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20267 MCGHEE TYSON AIRPORT TN

73-80

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY: STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	30.7	39.0	40.0	42.4	42.8	43.1	44.7	44.6	45.7	45.7	45.7	45.9	45.9	45.7	47.1	
18000	33.0	42.0	43.7	45.7	46.0	46.3	47.3	47.9	47.9	49.1	49.2	49.2	49.6	49.6	51.1	51.2
16000	33.0	42.0	43.7	45.7	46.0	46.3	47.3	47.9	47.9	49.1	49.2	49.2	49.6	49.6	51.1	51.2
14000	34.2	43.3	44.3	47.7	47.3	47.7	48.7	49.2	49.7	50.4	50.6	50.6	50.9	50.9	51.4	52.7
12000	35.8	45.8	46.8	49.4	49.8	50.1	51.1	51.7	51.7	52.9	53.7	53.7	53.3	53.3	54.1	54.9
10000	36.7	46.9	47.9	50.7	51.0	51.3	52.3	52.9	52.9	54.1	54.2	54.2	54.6	54.6	55.3	56.1
9000	37.1	48.2	49.2	52.1	52.4	52.8	53.8	54.3	54.3	55.6	55.7	55.7	56.7	56.7	56.8	57.6
8000	38.3	49.8	50.9	53.9	54.2	54.6	55.6	56.1	56.1	57.4	57.6	57.6	58.7	58.7	59.8	59.6
7000	40.7	52.3	53.6	56.9	57.4	57.8	58.8	59.3	59.7	60.7	60.8	60.8	61.7	61.7	62.1	62.9
6000	41.4	54.6	55.9	59.4	60.7	61.3	61.6	62.2	62.2	63.6	63.7	63.7	64.1	64.1	65.7	65.8
5000	43.7	57.4	58.9	62.7	63.7	64.2	65.2	66.7	66.7	67.7	67.4	67.4	67.9	67.9	68.9	69.7
4500	45.4	60.1	61.7	65.8	67.0	67.3	68.9	69.7	69.9	71.1	71.3	71.3	71.8	71.8	72.8	73.6
4000	45.8	61.0	62.7	67.0	68.2	68.6	70.2	71.0	71.1	72.4	72.7	72.7	73.1	73.1	74.1	74.9
3500	47.2	62.8	64.6	69.1	70.4	70.8	72.4	73.3	73.4	74.8	75.7	75.7	76.4	76.4	77.4	77.2
3000	49.3	65.6	67.6	72.4	73.8	74.1	75.9	76.7	76.8	78.2	78.4	78.4	78.9	78.9	79.9	80.7
2500	51.3	67.9	70.0	75.3	76.7	77.0	78.8	79.6	79.7	81.2	81.4	81.4	81.9	81.9	82.9	83.7
2000	52.2	70.1	72.2	77.6	79.0	79.6	81.4	82.2	82.3	83.9	84.1	84.1	84.6	84.6	85.6	86.3
1800	52.3	70.6	72.7	78.0	79.6	80.1	82.1	82.9	83.7	84.7	84.9	84.9	85.3	85.3	86.3	87.1
1600	52.7	71.2	73.3	78.7	80.2	80.9	83.7	83.8	83.9	85.7	86.1	86.1	86.6	86.6	87.6	88.7
1400	53.0	72.6	74.8	80.1	81.7	82.3	84.6	85.4	85.6	87.4	87.9	87.9	88.3	88.7	89.3	90.1
1200	53.0	73.1	75.3	80.8	82.3	83.0	85.2	86.1	86.2	88.2	88.7	88.7	89.1	89.1	90.1	90.9
1000	53.3	73.9	76.1	81.6	83.1	83.8	86.7	86.9	87.7	89.0	89.4	89.4	89.9	89.9	90.9	91.7
900	53.3	74.1	76.3	82.2	83.8	84.4	86.7	87.6	87.7	89.7	90.1	90.1	90.6	90.6	91.6	92.3
800	53.3	74.3	76.6	82.7	84.2	85.7	87.3	88.2	88.3	90.4	90.9	90.9	91.3	91.3	92.3	93.1
700	53.3	74.3	76.6	82.9	84.4	85.4	87.8	88.8	88.9	91.1	91.6	91.6	92.7	92.7	93.7	94.8
600	53.3	74.7	76.9	83.4	85.0	86.0	88.4	89.7	89.9	92.1	92.6	92.6	93.7	93.7	94.7	94.9
500	53.3	75.3	77.2	83.9	85.8	86.8	89.4	90.7	90.8	93.3	93.8	93.8	94.2	94.2	95.3	96.3
400	53.3	75.1	77.4	84.1	86.0	87.0	89.7	90.9	91.0	94.0	94.4	94.4	95.1	95.1	96.4	97.7
300	53.3	75.1	77.4	84.1	86.0	87.0	89.8	91.0	91.1	94.2	94.8	94.8	95.7	95.7	97.7	98.6
200	53.3	75.1	77.4	84.1	86.0	87.0	89.8	91.2	91.3	94.6	95.2	95.2	96.1	96.1	98.0	99.6
100	53.3	75.1	77.4	84.1	86.0	87.0	89.8	91.3	91.4	94.8	95.4	95.4	96.3	96.3	98.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73267 MCGHEE TYSON AIRPORT TN

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-1100

ELEVATION FEET	VISIBILITY - STATUTE MILES																OR (HUNDREDS OF METERS)													
	GE9	GE90	GE80	GE60	GE40	GE40	GE30	GE20	GE20	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10	GE10
10000	30.5	36.7	39.7	41.5	42.9	43.3	43.8	43.9	43.9	44.4	44.4	44.4	44.4	44.6	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	
9000	33.3	40.7	43.5	46.1	47.6	47.9	48.7	48.8	48.8	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	
8000	33.3	40.7	43.5	46.1	47.6	47.9	48.7	48.8	48.8	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
7000	33.5	41.5	44.3	46.8	48.4	48.7	49.5	49.6	49.6	50.3	50.3	50.3	50.3	50.5	50.5	50.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	
6000	35.0	43.3	46.5	49.2	50.7	51.1	51.8	51.9	51.9	52.6	52.6	52.6	52.6	52.8	52.8	52.8	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	
5000	36.3	45.5	48.7	51.9	53.5	53.8	54.6	54.8	54.8	55.5	55.5	55.5	55.5	55.7	55.7	55.7	55.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
4000	37.4	47.1	50.3	53.9	55.5	55.8	56.6	56.8	56.8	57.5	57.5	57.5	57.5	57.7	57.7	57.7	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
3000	38.9	48.7	51.9	55.7	57.4	57.7	58.5	58.7	58.7	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	
2000	39.7	49.9	53.3	57.1	58.7	59.3	60.2	60.4	60.4	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	
1000	41.7	52.7	56.2	60.0	61.7	62.3	63.3	63.5	63.5	64.4	64.4	64.4	64.4	64.6	64.6	64.6	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
500	44.2	56.5	61.0	65.0	67.1	67.7	69.7	69.2	69.2	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	
0	45.5	58.4	63.0	67.2	69.4	70.2	71.2	71.6	71.6	72.6	72.6	72.6	72.6	73.0	73.0	73.0	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	
1000	46.1	59.5	64.2	68.5	70.9	71.6	72.6	73.1	73.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	
500	46.8	60.6	65.5	70.0	72.3	73.3	74.4	74.9	74.9	75.9	75.9	75.9	75.9	76.3	76.3	76.3	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
0	48.1	62.3	67.3	71.9	74.3	75.5	76.6	77.4	77.4	78.8	78.8	78.8	78.8	79.2	79.2	79.2	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	
1000	50.1	64.6	70.0	74.9	77.4	78.9	80.0	80.7	80.7	82.1	82.1	82.1	82.1	82.5	82.5	82.5	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	
500	50.9	66.2	71.5	76.5	79.1	80.8	82.0	83.1	83.1	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
0	51.3	66.7	72.1	77.1	79.6	81.3	82.5	83.8	83.8	85.5	85.5	85.5	85.5	86.0	86.0	86.0	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	
1000	51.3	68.4	74.0	79.1	81.9	83.5	84.8	86.0	86.0	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	
500	52.3	69.4	75.1	80.3	83.1	84.8	86.1	87.4	87.4	89.4	89.4	89.4	89.4	89.9	89.9	89.9	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	
0	52.3	70.0	75.9	81.3	84.2	85.9	87.3	88.8	88.8	90.9	90.9	90.9	90.9	91.3	91.3	91.3	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
1000	52.4	70.1	76.2	81.5	84.5	86.3	87.8	89.2	89.2	91.4	91.4	91.4	91.4	91.9	91.9	91.9	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
500	52.4	70.1	76.1	82.1	85.2	87.1	88.8	90.2	90.2	92.4	92.4	92.4	92.4	92.9	92.9	92.9	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	
0	52.4	70.4	76.4	82.6	86.0	88.0	89.8	91.2	91.2	93.4	93.4	93.4	93.4	94.0	94.0	94.0	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
1000	52.6	70.6	76.6	83.0	86.3	88.4	90.5	92.0	92.0	94.3	94.3	94.3	94.3	94.9	94.9	94.9	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
500	52.6	70.7	76.8	83.4	87.0	89.1	91.3	92.8	92.8	95.2	95.2	95.2	95.2	95.9	95.9	95.9	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
0	52.6	70.9	77.0	83.8	87.4	89.8	92.2	93.8	93.8	96.2	96.2	96.2	96.2	97.1	97.1	97.1	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
1000	52.6	70.9	77.0	83.9	87.5	90.0	92.4	94.0	94.0	96.6	96.6	96.6	96.6	97.7	97.7	97.7	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
500	52.6	70.9	77.0	83.9	87.5	90.1	92.7	94.4	94.4	97.3	97.3	97.3	97.3	98.7	98.7	98.7	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
0	52.6	70.9	77.0	83.9	87.5	90.1	92.7	94.5	94.5	97.4	97.4	97.4	97.4	98.9	98.9	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72226

MCGHEE TYSON AIRPORT TN

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	210	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	51.9	52.9	53.8	54.6	55.4	56.2	57.0	57.8	58.6	59.4	60.2	61.0	61.8	62.6	63.4	64.2
18000	43.6	51.2	52.4	53.1	53.7	54.3	54.9	55.5	56.1	56.7	57.3	57.9	58.5	59.1	59.7	60.3
16000	43.8	51.3	52.5	53.2	53.8	54.4	55.0	55.6	56.2	56.8	57.4	58.0	58.6	59.2	59.8	60.4
14000	44.2	50.6	52.9	53.5	54.1	54.7	55.3	55.9	56.5	57.1	57.7	58.3	58.9	59.5	60.1	60.7
12000	45.7	52.7	54.9	55.6	56.2	56.8	57.4	58.0	58.6	59.2	59.8	60.4	61.0	61.6	62.2	62.8
10000	46.6	53.9	56.4	57.2	57.8	58.4	59.0	59.6	60.2	60.8	61.4	62.0	62.6	63.2	63.8	64.4
8000	47.5	55.4	58.1	58.7	59.3	59.9	60.5	61.1	61.7	62.3	62.9	63.5	64.1	64.7	65.3	65.9
6000	48.5	56.7	59.5	60.3	60.9	61.5	62.1	62.7	63.3	63.9	64.5	65.1	65.7	66.3	66.9	67.5
5000	50.4	58.7	61.5	62.3	62.9	63.5	64.1	64.7	65.3	65.9	66.5	67.1	67.7	68.3	68.9	69.5
4500	51.7	60.2	63.1	64.0	64.3	64.8	65.4	66.0	66.6	67.2	67.8	68.4	69.0	69.6	70.2	70.8
4000	54.2	63.6	66.4	67.7	68.1	68.6	69.2	69.8	70.4	71.0	71.6	72.2	72.8	73.4	74.0	74.6
3500	56.6	67.1	70.2	71.9	72.2	72.7	73.3	73.9	74.5	75.1	75.7	76.3	76.9	77.5	78.1	78.7
3000	57.8	68.9	72.1	73.9	74.3	74.8	75.4	76.0	76.6	77.2	77.8	78.4	79.0	79.6	80.2	80.8
2500	59.5	70.9	74.1	75.9	76.3	76.8	77.4	78.0	78.6	79.2	79.8	80.4	81.0	81.6	82.2	82.8
2000	61.8	74.6	77.9	79.9	80.4	80.9	81.5	82.1	82.7	83.3	83.9	84.5	85.1	85.7	86.3	86.9
1500	63.6	77.5	80.9	82.9	83.4	83.9	84.5	85.1	85.7	86.3	86.9	87.5	88.1	88.7	89.3	89.9
1000	65.7	78.6	82.1	84.3	85.0	85.5	86.1	86.7	87.3	87.9	88.5	89.1	89.7	90.3	90.9	91.5
800	65.2	79.1	82.5	84.8	85.4	86.1	86.7	87.3	87.9	88.5	89.1	89.7	90.3	90.9	91.5	92.1
750	66.2	81.0	84.5	86.6	87.5	88.2	88.9	89.6	90.3	91.0	91.7	92.4	93.1	93.8	94.5	95.2
1200	66.4	82.0	85.8	88.3	89.2	89.9	90.6	91.3	92.0	92.7	93.4	94.1	94.8	95.5	96.2	96.9
1000	66.4	82.3	86.1	88.7	89.7	90.3	91.0	91.7	92.4	93.1	93.8	94.5	95.2	95.9	96.6	97.3
900	66.7	83.0	86.8	89.4	90.7	91.3	92.0	92.7	93.4	94.1	94.8	95.5	96.2	96.9	97.6	98.3
800	66.7	83.0	86.9	89.7	90.9	91.5	92.2	92.9	93.6	94.3	95.0	95.7	96.4	97.1	97.8	98.5
700	66.7	83.2	87.1	90.1	91.3	92.0	92.7	93.4	94.1	94.8	95.5	96.2	96.9	97.6	98.3	99.0
600	66.7	83.2	87.3	90.5	91.8	92.5	93.2	93.9	94.6	95.3	96.0	96.7	97.4	98.1	98.8	99.5
500	66.7	83.2	87.3	90.8	92.1	93.0	93.9	94.8	95.7	96.6	97.5	98.4	99.3	100.0	100.0	100.0
400	66.7	83.2	87.5	91.2	92.7	93.9	95.4	97.2	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0
300	66.7	83.2	87.5	91.2	92.8	94.0	96.7	97.7	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	66.7	83.2	87.5	91.2	92.8	94.0	96.8	97.9	98.1	99.2	99.8	100.0	100.0	100.0	100.0	100.0
100	66.7	83.2	87.5	91.2	92.8	94.0	96.8	97.9	98.1	99.2	99.8	100.0	100.0	100.0	100.0	100.0
0	66.7	83.2	87.5	91.2	92.8	94.0	96.8	97.9	98.1	99.2	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

703260 MCGHEE TYSON AIRPORT TN

73-07

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY: STATUTE MILES															
	OR (HUNDREDS OF METERS)															
	210	200	250	240	230	220	210	200	250	240	230	220	210	200	250	240
NO CEILING	43.2	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	50.9	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	51.9	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	51.1	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	52.1	57.7	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	54.0	59.7	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	54.3	60.3	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000	54.9	61.0	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	56.7	62.4	63.3	63.6	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	57.4	64.6	65.4	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000	59.9	67.7	68.6	68.8	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	63.0	71.1	72.2	72.8	72.8	72.9	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	65.7	74.1	75.3	76.0	76.1	76.3	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	66.8	75.6	76.9	77.7	77.8	78.0	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	68.4	78.4	79.8	80.7	80.9	81.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	70.2	81.1	82.4	83.3	83.6	83.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500	71.8	83.2	84.6	85.4	85.7	85.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	72.4	84.3	85.9	86.8	87.1	87.3	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1800	72.8	85.0	86.6	87.6	87.9	88.1	89.3	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500	72.9	86.1	87.8	88.8	89.2	89.4	90.7	90.9	90.9	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	73.2	87.3	89.1	90.1	90.7	90.9	92.1	92.3	92.3	92.4	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	73.4	87.7	89.7	90.7	91.2	91.4	92.4	93.0	93.0	93.1	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	73.6	87.9	90.1	91.1	91.7	91.9	93.4	93.7	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	73.6	88.0	90.2	91.2	92.0	92.2	93.8	94.1	94.1	94.2	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	73.6	88.0	90.2	91.2	92.1	92.4	94.0	94.6	94.6	94.8	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	73.6	88.0	90.2	91.6	92.4	92.9	94.4	95.1	95.2	95.4	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	73.6	88.0	90.2	91.7	92.6	93.1	94.9	95.7	95.8	96.0	96.8	96.8	97.0	97.0	97.0	97.0
≥ 400	73.6	88.0	90.2	91.9	92.8	93.6	95.7	97.0	97.2	97.6	98.3	98.3	98.6	98.6	98.6	98.6
≥ 300	73.6	88.0	90.2	91.9	92.8	93.7	95.9	97.4	97.7	98.4	99.2	99.2	99.4	99.4	99.6	99.6
≥ 200	73.6	88.0	90.2	91.9	92.8	93.7	96.0	97.6	97.8	98.7	99.4	99.4	99.7	99.7	99.8	99.8
≥ 100	73.6	88.0	90.2	91.9	92.8	93.7	96.0	97.6	97.8	98.7	99.4	99.4	99.9	99.9	100.0	100.0
≥ 0	73.6	88.0	90.2	91.9	92.8	93.7	96.0	97.6	97.8	98.7	99.4	99.4	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

73-87

NGV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18 0-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	45.3	50.7	50.7	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	50.7	56.8	56.9	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	57.7	56.9	57.7	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7
≥ 16000	57.6	57.3	57.4	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1
≥ 14000	51.7	58.2	58.3	58.6	58.9	58.9	59.7	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1
≥ 12000	55.6	62.1	62.2	62.4	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0
≥ 10000	56.0	62.6	63.0	63.2	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8
≥ 9000	57.0	64.0	64.4	64.5	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4
≥ 8000	58.1	65.3	65.8	66.2	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8
≥ 7000	60.2	68.3	68.9	69.3	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0
≥ 6000	61.4	70.3	70.9	71.3	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2
≥ 5000	63.8	74.2	74.9	75.6	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4
≥ 4500	65.2	76.0	76.8	77.4	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4
≥ 4000	66.0	77.2	78.0	78.8	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8
≥ 3500	67.9	79.9	80.9	81.7	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8
≥ 3000	69.1	82.8	84.0	84.9	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0
≥ 2500	70.0	84.8	86.2	87.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6
≥ 2000	70.6	85.9	87.3	88.3	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8
≥ 1800	70.8	86.7	88.1	89.1	90.2	90.3	90.3	90.8	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0
≥ 1600	70.8	87.0	88.4	89.4	90.6	90.7	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 1400	70.9	87.4	89.0	90.1	91.4	91.6	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.4	92.4	92.4
≥ 1200	70.9	87.8	89.3	90.7	92.1	92.2	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.1	93.1	93.1
≥ 1000	70.9	88.0	89.7	91.2	92.7	92.8	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.7	93.7	93.7
≥ 900	70.9	88.0	89.8	91.4	93.0	93.1	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.1	94.1	94.1
≥ 800	70.9	88.2	90.0	92.0	93.6	93.7	94.3	94.4	94.4	94.9	95.0	95.0	95.0	95.1	95.1	95.1
≥ 700	70.9	88.2	90.1	92.6	94.1	94.2	95.0	95.6	95.6	96.0	96.1	96.1	96.1	96.2	96.2	96.2
≥ 600	70.9	88.2	90.2	92.7	94.2	94.3	95.2	95.8	95.9	96.3	96.4	96.4	96.4	96.7	96.7	96.7
≥ 500	70.9	88.3	90.3	92.8	94.3	94.4	95.4	96.6	97.0	97.7	97.9	97.9	97.9	98.1	98.1	98.1
≥ 400	70.9	88.3	90.3	92.8	94.3	94.4	95.4	96.6	97.0	97.7	97.9	97.9	97.9	98.1	98.1	98.1
≥ 300	70.9	88.3	90.3	92.8	94.3	94.4	95.4	96.6	97.0	97.7	97.9	97.9	97.9	98.1	98.1	98.1
≥ 200	70.9	88.3	90.3	92.8	94.3	94.4	95.4	96.6	97.0	97.7	97.9	97.9	97.9	98.1	98.1	98.1
≥ 100	70.9	88.3	90.3	92.8	94.3	94.4	95.4	96.6	97.0	97.7	97.9	97.9	97.9	98.1	98.1	98.1
≥ 0	70.9	88.3	90.3	92.8	94.3	94.4	95.4	96.6	97.0	97.7	97.9	97.9	97.9	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-2300

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EC90	≥5 GF8	≥4 GE6C	≥3 GE4B	≥2 GE4C	≥2 GE32	≥2 GE24	≥2 GE2	≥1 GE16	≥1 GE1	≥1 GE10	≥1 GF08	≥1 GE05	≥1 GE04	≥1 GE0
NO CEILING	45.8	52.5	53.1	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8
≥ 20000	49.2	56.7	57.4	57.7	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.5	58.6	58.6
≥ 18000	49.2	56.9	57.5	57.9	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.8	58.8
≥ 16000	49.3	57.3	58.1	58.4	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.3	59.3
≥ 14000	50.5	58.8	59.6	60.0	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.8	60.8	60.9	60.9
≥ 12000	52.5	61.2	62.1	62.4	63.0	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.7	63.7
≥ 10000	53.7	62.8	63.8	64.1	64.7	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.6	65.6
≥ 9000	55.0	64.1	65.1	65.6	66.1	66.4	66.7	66.7	66.7	66.8	66.8	66.8	66.9	66.9	67.0	67.0
≥ 8000	55.7	65.6	66.6	67.0	67.6	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.5	68.5
≥ 7000	56.9	67.1	68.1	68.6	69.1	69.5	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	70.0	70.0
≥ 6000	58.2	69.2	70.2	70.7	71.2	71.6	71.8	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.1	72.1
≥ 5000	59.4	71.3	72.6	73.2	73.8	74.1	74.4	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.8	74.8
≥ 4500	60.4	73.1	74.5	75.5	76.0	76.4	76.6	76.7	76.7	76.9	77.0	77.0	77.1	77.1	77.3	77.3
≥ 4000	61.3	74.4	75.7	76.8	77.4	77.9	78.1	78.3	78.3	78.5	78.6	78.6	78.7	78.7	78.8	78.8
≥ 3500	62.4	76.4	77.8	79.0	79.6	80.2	80.4	80.5	80.5	80.7	80.8	80.8	80.9	80.9	81.0	81.0
≥ 3000	63.8	78.4	80.3	82.1	82.6	83.2	83.5	83.6	83.6	83.8	83.9	83.9	84.1	84.1	84.2	84.2
≥ 2500	65.1	81.3	83.4	85.8	86.4	87.0	87.3	87.4	87.4	87.6	87.8	87.8	88.0	88.0	88.1	88.1
≥ 2000	65.8	82.5	85.1	87.8	88.5	89.1	89.6	89.7	89.7	90.0	90.2	90.2	90.3	90.3	90.4	90.4
≥ 1800	65.9	82.9	85.5	88.3	89.0	89.5	90.1	90.2	90.2	90.4	90.6	90.6	90.7	90.7	90.9	90.9
≥ 1500	66.2	83.3	85.8	88.6	89.3	89.9	90.4	90.5	90.5	90.7	91.0	91.0	91.1	91.1	91.2	91.2
≥ 1200	66.3	84.6	87.2	90.2	90.9	91.5	92.1	92.2	92.2	92.5	92.8	92.8	92.9	92.9	93.0	93.0
≥ 1000	66.3	84.9	87.6	90.6	91.4	92.1	92.6	92.9	92.9	93.2	93.4	93.4	93.5	93.5	93.6	93.6
≥ 900	66.3	85.5	88.4	91.6	92.5	93.2	93.8	94.0	94.0	94.5	94.8	94.8	94.9	94.9	95.0	95.0
≥ 800	66.3	85.7	88.6	92.1	93.0	93.6	94.2	94.8	94.8	95.5	95.8	95.8	95.9	95.9	96.0	96.0
≥ 700	66.4	86.3	89.3	93.1	94.0	94.6	95.2	95.8	95.8	96.5	96.8	96.8	96.9	96.9	97.0	97.0
≥ 600	66.4	86.4	89.4	93.3	94.2	94.9	95.7	96.3	96.3	97.1	97.3	97.3	97.4	97.4	97.5	97.5
≥ 500	66.4	86.4	89.4	93.5	94.5	95.2	96.0	96.7	96.7	97.5	97.8	97.8	97.9	97.9	98.0	98.0
≥ 400	66.4	86.4	89.6	93.8	94.8	95.4	96.3	97.0	97.1	98.1	98.3	98.3	98.4	98.4	98.7	98.7
≥ 300	66.4	86.4	89.7	93.9	95.2	95.9	96.8	97.5	97.7	99.0	99.2	99.2	99.4	99.4	99.7	99.7
≥ 200	66.4	86.4	89.7	93.9	95.2	95.9	96.8	97.5	97.7	99.2	99.4	99.4	99.7	99.7	99.9	99.9
≥ 100	66.4	86.4	89.7	93.9	95.2	95.9	96.8	97.5	97.7	99.2	99.4	99.4	99.7	99.7	99.9	100.0
≥ 0	66.4	86.4	89.7	93.9	95.2	95.9	96.8	97.5	97.7	99.2	99.4	99.4	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 897

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723265

MCGHEE TYSON AIRPORT TN

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	OR (HUNDREDS OF METERS)															
	GT9	EG9	GF8	GF6	GF4	GF3	GF2	GF2	GF1	GF1	GF1	GF1	GF1	GF1	GF1	GF1
≥ 20000	38.5	45.3	45.5	47.5	48.7	48.1	48.5	48.5	48.5	48.8	48.8	48.8	48.9	48.9	49.1	49.3
≥ 18000	42.4	50.3	51.5	52.6	53.2	53.3	53.7	53.7	53.8	54.1	54.1	54.1	54.2	54.2	54.4	54.7
≥ 16000	42.5	50.4	51.7	52.8	53.3	53.4	53.8	53.9	53.9	54.2	54.2	54.2	54.3	54.3	54.6	54.8
≥ 14000	42.5	50.6	51.9	53.0	53.5	53.6	54.7	54.1	54.1	54.4	54.4	54.4	54.6	54.6	54.8	55.1
≥ 12000	43.4	51.5	52.9	53.9	54.5	54.6	55.7	55.1	55.1	55.4	55.4	55.4	55.6	55.6	55.9	56.1
≥ 10000	45.2	53.9	55.2	56.3	56.9	57.7	57.4	57.5	57.5	57.9	57.9	57.9	58.7	58.7	58.3	58.5
≥ 8000	46.1	55.2	56.7	57.9	58.4	58.6	59.0	59.1	59.2	59.5	59.5	59.5	59.6	59.6	59.9	60.2
≥ 6000	46.9	56.6	58.1	59.4	60.0	60.1	60.6	60.7	60.7	61.1	61.1	61.1	61.2	61.2	61.4	61.8
≥ 4000	48.1	58.0	59.6	61.0	61.6	61.7	62.2	62.3	62.3	62.7	62.7	62.7	62.9	62.9	63.1	63.4
≥ 2000	49.6	60.3	62.7	63.5	64.1	64.3	64.8	64.9	64.9	65.3	65.3	65.3	65.4	65.4	65.7	66.0
≥ 1000	51.1	62.4	64.1	65.7	66.3	66.5	67.7	67.2	67.2	67.6	67.6	67.6	67.7	67.7	68.7	68.3
≥ 800	53.3	65.5	67.4	69.2	70.0	70.3	70.9	71.1	71.1	71.5	71.5	71.5	71.7	71.7	72.7	72.3
≥ 600	55.0	67.9	70.0	72.1	72.9	73.2	73.9	74.1	74.2	74.6	74.7	74.7	74.8	74.8	75.1	75.4
≥ 400	55.9	69.2	71.4	73.6	74.6	74.9	75.6	75.9	75.9	76.4	76.4	76.4	76.6	76.6	76.9	77.2
≥ 2500	57.5	71.5	73.7	76.2	77.1	77.5	78.3	78.6	78.7	79.1	79.2	79.2	79.4	79.4	79.6	79.9
≥ 2000	59.1	74.1	76.5	79.2	80.2	80.5	81.4	81.8	81.8	82.4	82.4	82.4	82.6	82.6	82.9	83.2
≥ 1500	60.7	76.5	79.1	82.0	83.0	83.5	84.4	84.8	84.8	85.4	85.5	85.5	85.6	85.6	85.9	86.2
≥ 1000	61.4	77.9	80.6	83.7	84.9	85.4	86.5	86.9	87.0	87.6	87.6	87.7	87.9	87.9	88.1	88.5
≥ 800	61.6	78.5	81.2	84.2	85.4	86.0	87.2	87.5	87.6	88.3	88.4	88.4	88.6	88.6	88.9	89.2
≥ 600	61.9	79.4	82.2	85.3	86.5	87.1	88.3	88.7	88.8	89.5	89.7	89.7	89.9	89.9	90.2	90.5
≥ 400	62.2	80.6	83.4	86.7	88.0	88.6	89.9	90.3	90.4	91.2	91.4	91.4	91.6	91.6	91.9	92.2
≥ 200	62.3	81.0	83.9	87.2	88.6	89.2	90.6	91.1	91.2	92.0	92.2	92.2	92.4	92.4	92.7	93.0
≥ 100	62.4	81.4	84.4	87.9	89.3	89.9	91.3	91.9	92.0	92.9	93.1	93.1	93.3	93.3	93.6	93.9
≥ 500	62.4	81.7	84.8	88.6	90.2	90.8	92.4	93.0	93.1	94.1	94.4	94.4	94.6	94.6	94.9	95.2
≥ 300	62.4	81.9	85.0	89.3	91.0	91.7	93.5	94.3	94.4	95.5	95.8	95.8	96.1	96.1	96.3	96.7
≥ 200	62.4	82.0	85.2	89.6	91.4	92.3	94.3	95.3	95.4	96.7	97.7	97.7	98.1	98.1	98.5	98.9
≥ 100	62.4	82.0	85.3	89.8	91.6	92.6	94.7	95.9	96.1	97.8	98.2	98.2	98.6	98.6	99.1	99.4
≥ 50	62.4	82.0	85.3	89.8	91.6	92.6	94.7	96.0	96.2	97.9	98.3	98.3	98.8	98.8	99.3	99.8
≥ 0	62.4	82.0	85.3	89.8	91.6	92.6	94.7	96.0	96.2	98.0	98.4	98.4	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSON AIRPORT TN

73-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GE90	GE90	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE10	GE10	GE08	GE05	GE04	GE00
NO CEILING	41.3	44.9	44.9	45.7	45.9	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.3
≥ 20000	43.2	47.3	47.3	48.3	48.5	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	49.1
≥ 18000	43.2	47.3	47.3	48.3	48.5	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	49.1
≥ 16000	43.2	47.3	47.3	48.3	48.5	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	49.1
≥ 14000	43.7	47.7	47.7	48.7	48.9	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.6
≥ 12000	45.4	49.8	49.8	51.8	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.6
≥ 10000	46.2	50.8	50.8	51.7	51.9	52.0	52.0	52.0	52.0	52.2	52.3	52.3	52.4	52.4	52.4	52.7
≥ 9000	47.2	52.3	52.3	53.2	53.4	53.5	53.5	53.7	53.7	53.8	53.9	53.9	54.0	54.0	54.0	54.3
≥ 8000	48.1	53.4	53.4	54.4	54.6	54.7	54.7	54.8	54.8	54.9	55.1	55.1	55.3	55.3	55.4	55.7
≥ 7000	49.7	55.2	55.2	56.1	56.3	56.5	56.5	56.6	56.6	56.7	56.9	56.9	57.1	57.1	57.2	57.5
≥ 6000	50.8	56.8	56.8	57.7	58.0	58.1	58.1	58.2	58.2	58.3	58.5	58.5	58.7	58.7	58.8	59.1
≥ 5000	54.4	61.4	61.4	62.5	62.7	62.8	62.8	62.9	63.0	63.2	63.2	63.2	63.4	63.4	63.5	63.9
≥ 4500	57.2	65.3	65.5	66.6	66.8	66.9	67.1	67.2	67.2	67.5	67.7	67.7	68.0	68.0	68.1	68.4
≥ 4000	58.5	66.9	67.1	68.4	68.6	68.7	68.9	69.0	69.0	69.4	69.6	69.6	69.8	69.8	69.9	70.2
≥ 3500	60.8	70.0	70.5	72.0	72.4	72.5	72.7	72.8	72.8	73.1	73.3	73.3	73.5	73.5	73.7	74.0
≥ 3000	63.0	72.9	73.5	75.5	75.8	75.9	76.2	76.3	76.3	76.7	76.9	76.9	77.1	77.1	77.2	77.5
≥ 2500	66.0	77.8	78.5	80.5	81.0	81.1	81.6	81.7	81.7	82.2	82.4	82.4	82.6	82.6	82.7	83.0
≥ 2000	68.0	81.3	82.0	84.2	84.7	84.8	85.4	85.5	85.5	85.9	86.1	86.1	86.3	86.3	86.5	86.8
≥ 1800	68.4	82.4	83.1	85.4	85.9	86.0	86.6	86.7	86.7	87.1	87.3	87.3	87.5	87.5	87.6	88.0
≥ 1500	68.9	83.4	84.4	86.9	87.4	87.5	88.2	88.3	88.3	89.0	89.2	89.2	89.5	89.5	89.6	89.9
≥ 1200	69.4	84.8	85.8	88.4	89.0	89.1	89.8	89.9	89.9	90.8	91.0	91.0	91.3	91.3	91.5	91.8
≥ 1000	69.4	84.8	85.8	88.6	89.2	89.4	90.1	90.3	90.3	91.2	91.4	91.4	91.7	91.7	91.9	92.3
≥ 900	69.5	85.1	86.3	89.2	89.9	90.0	90.8	91.1	91.1	91.9	92.2	92.2	92.5	92.5	92.7	93.0
≥ 800	69.5	85.2	86.6	89.5	90.1	90.2	91.0	91.3	91.3	92.2	92.4	92.4	92.7	92.7	92.9	93.2
≥ 700	69.5	85.3	86.9	90.6	91.3	91.4	92.3	92.6	92.6	93.5	93.8	93.8	94.1	94.1	94.3	94.6
≥ 600	69.5	85.5	87.1	90.9	91.5	91.6	92.5	92.8	92.8	93.8	94.0	94.0	94.3	94.3	94.5	94.8
≥ 500	69.5	85.6	87.2	91.0	91.6	91.9	92.8	93.4	93.5	94.9	95.2	95.2	95.5	95.5	95.7	96.0
≥ 400	69.5	85.6	87.2	91.1	91.7	92.0	92.9	93.7	93.8	95.3	95.6	95.6	95.9	95.9	96.1	96.5
≥ 300	69.5	85.6	87.5	91.6	92.4	92.8	94.2	94.9	95.4	96.9	97.3	97.3	97.7	97.7	98.0	98.3
≥ 200	69.5	85.6	87.5	91.6	92.4	92.9	94.3	95.4	95.8	97.3	97.8	97.8	98.3	98.3	98.5	98.8
≥ 100	69.5	85.6	87.5	91.6	92.4	92.9	94.3	95.4	95.8	97.3	97.8	97.8	98.4	98.4	98.9	99.9
≥ 0	69.5	85.6	87.5	91.6	92.4	92.9	94.3	95.4	95.8	97.3	97.8	97.8	98.4	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

73-87
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

330-6500
FOOT

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	36.7	42.6	43.2	43.7	44.5	44.5	44.6	44.7	44.7	44.9	45.3	45.3	45.6	45.6	46.2	46.6
≥20000	38.2	44.5	45.2	45.6	46.5	46.5	46.6	46.7	46.7	46.9	47.5	47.5	47.8	47.8	48.5	49.2
≥18000	38.2	44.5	45.2	45.6	46.5	46.5	46.6	46.7	46.7	46.9	47.5	47.5	47.8	47.8	48.5	49.2
≥16000	38.2	44.5	45.2	45.6	46.5	46.5	46.6	46.7	46.7	46.9	47.5	47.5	47.8	47.8	48.5	49.2
≥14000	38.8	45.2	45.8	46.2	47.1	47.1	47.2	47.3	47.3	47.5	48.2	48.2	48.5	48.5	49.1	49.7
≥12000	40.5	47.1	47.7	48.2	49.5	49.5	49.7	49.7	49.9	49.9	50.1	50.1	50.4	50.4	51.1	51.6
≥10000	41.2	47.7	48.4	48.8	49.7	49.7	49.8	49.9	49.9	50.1	50.8	50.8	51.1	51.1	51.7	52.3
≥9000	42.5	49.5	50.1	50.5	51.5	51.5	51.7	51.8	51.8	52.7	52.7	52.7	53.0	53.0	53.7	54.2
≥8000	44.1	51.4	52.7	52.5	53.4	53.4	53.7	53.8	53.8	54.0	54.6	54.6	55.2	55.2	55.8	56.3
≥7000	44.8	52.7	53.3	53.8	54.7	54.7	54.9	55.1	55.1	55.4	56.0	56.0	56.6	56.6	57.2	57.7
≥6000	46.8	54.7	55.4	55.8	56.8	56.8	57.7	57.1	57.1	57.4	58.1	58.1	58.6	58.6	59.2	59.8
≥5000	49.0	58.0	58.6	59.1	60.1	60.1	61.4	60.5	60.5	60.9	61.5	61.5	62.0	62.0	62.7	63.2
≥4500	50.9	60.8	61.7	62.3	63.2	63.2	63.7	63.9	63.9	64.2	64.9	64.9	65.5	65.5	66.1	66.7
≥4000	52.2	62.7	63.9	64.4	65.4	65.4	65.8	66.0	66.0	66.3	67.1	67.1	67.6	67.6	68.3	68.8
≥3500	54.2	65.7	66.9	67.5	68.5	68.5	68.9	69.1	69.1	69.5	70.2	70.2	70.8	70.8	71.4	71.9
≥3000	57.7	70.4	71.9	72.9	74.1	74.1	74.5	74.7	74.7	75.1	75.8	75.8	76.5	76.5	77.1	77.6
≥2500	60.1	74.2	76.1	77.6	79.1	79.1	79.7	79.9	79.9	80.2	81.7	81.7	81.7	81.7	82.4	82.9
≥2000	62.5	77.6	79.6	81.3	82.8	82.8	83.4	83.7	83.7	84.1	84.8	84.8	85.6	85.6	86.2	86.8
≥1800	62.8	78.7	80.8	82.5	84.0	84.0	84.8	85.2	85.2	85.6	86.3	86.3	87.1	87.1	87.7	88.3
≥1500	63.4	80.2	82.4	84.3	85.9	85.9	86.8	87.1	87.1	87.5	88.4	88.4	89.1	89.1	89.8	90.3
≥1200	63.8	81.4	83.5	85.6	87.2	87.2	88.2	88.5	88.5	88.9	89.8	89.8	90.5	90.5	91.2	91.7
≥1000	63.9	81.6	83.9	85.9	87.5	87.5	88.6	89.1	89.1	89.6	90.4	90.4	91.2	91.2	91.8	92.4
≥900	63.9	81.8	84.1	86.1	87.7	87.7	88.8	89.4	89.4	89.8	90.6	90.6	91.4	91.4	92.7	92.6
≥800	63.9	82.3	84.8	87.0	88.6	88.6	89.9	90.4	90.4	90.9	91.7	91.7	92.5	92.5	93.1	93.7
≥700	63.9	82.3	84.8	87.0	88.6	88.6	90.0	90.5	90.5	91.1	91.9	91.9	92.7	92.7	93.3	93.9
≥600	63.9	82.7	85.3	87.5	89.4	89.4	90.8	91.3	91.3	91.9	92.8	92.8	93.5	93.5	94.2	94.7
≥500	63.9	82.7	85.3	87.6	89.5	89.5	91.1	91.6	91.9	92.7	93.5	93.5	94.3	94.3	94.9	95.5
≥400	63.9	82.8	85.4	88.2	90.0	90.0	91.9	92.7	93.0	93.8	94.8	94.8	96.7	96.0	97.0	97.5
≥300	63.9	82.8	85.4	88.2	90.0	90.2	92.4	93.1	93.5	94.3	95.4	95.4	96.9	96.9	97.8	98.4
≥200	63.9	82.8	85.4	88.5	90.4	90.6	92.8	93.5	94.0	94.7	96.0	96.0	97.5	97.5	98.5	99.0
≥100	63.9	82.8	85.4	88.5	90.4	90.6	92.8	93.5	94.0	94.7	96.0	96.0	97.6	97.6	98.7	99.9
≥0	63.9	82.8	85.4	88.5	90.4	90.6	92.8	93.5	94.0	94.7	96.0	96.0	97.6	97.6	98.7	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723267 MCGHEE TYSON AIRPORT TN

73-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

620-7800

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	33.9	38.9	40.5	41.4	41.9	41.9	42.7	42.4	42.4	42.6	42.7	42.7	43.7	43.7	44.1	44.6
≥18000	36.1	42.0	43.7	44.7	45.6	45.6	45.7	46.7	46.7	46.2	46.3	46.3	47.3	47.3	47.7	48.3
≥16000	36.2	42.3	43.9	44.8	45.7	45.7	45.8	46.1	46.1	46.3	46.5	46.5	47.4	47.4	47.8	48.4
≥14000	37.0	43.0	44.6	45.7	46.6	46.6	46.7	47.7	47.7	47.2	47.3	47.3	48.3	48.3	48.7	49.2
≥12000	39.0	45.3	46.0	48.0	48.8	48.8	48.9	49.2	49.2	49.5	49.6	49.6	50.5	50.5	51.0	51.5
≥10000	39.8	46.0	47.6	48.7	49.6	49.6	49.7	50.0	50.0	50.2	50.3	50.3	51.3	51.3	51.7	52.3
≥9000	40.4	46.8	49.4	49.5	50.3	50.3	50.4	50.8	50.8	51.0	51.1	51.1	52.0	52.0	52.5	53.0
≥8000	41.1	47.4	49.1	51.2	51.1	51.1	51.2	51.5	51.5	51.7	51.8	51.8	52.8	52.8	53.2	53.8
≥7000	42.2	49.7	51.4	52.7	53.5	53.5	53.7	54.0	54.0	54.3	54.4	54.4	55.4	55.4	55.9	56.3
≥6000	43.0	51.4	53.1	54.4	55.3	55.3	55.4	55.7	55.7	56.1	56.1	56.1	57.1	57.1	57.5	58.1
≥5000	45.4	54.8	56.6	58.0	58.8	58.8	59.7	59.4	59.4	59.7	59.8	59.8	61.8	61.8	61.2	61.8
≥4500	47.0	57.0	58.9	60.4	61.4	61.4	61.8	62.2	62.2	62.5	62.6	62.6	63.5	63.5	64.7	64.6
≥4000	48.7	58.4	60.3	61.9	63.0	63.0	63.4	63.8	63.8	64.2	64.3	64.3	65.3	65.3	65.9	66.6
≥3500	49.7	59.8	61.7	63.4	64.5	64.5	65.2	65.5	65.5	66.0	66.1	66.1	67.1	67.1	67.6	68.4
≥3000	52.4	64.5	66.6	68.6	69.8	69.9	70.6	71.1	71.1	71.7	71.8	71.8	72.9	72.9	73.4	74.2
≥2500	55.8	69.6	71.8	74.4	75.6	75.7	76.6	77.7	77.7	77.6	77.7	77.7	78.8	78.8	79.4	80.1
≥2000	57.6	73.0	75.6	78.7	80.0	80.1	81.0	81.4	81.4	82.2	82.3	82.3	83.4	83.4	84.7	84.7
≥1800	58.7	74.4	77.1	80.3	81.6	81.7	82.7	83.1	83.1	83.9	84.0	84.0	85.2	85.2	85.7	86.5
≥1500	59.7	75.6	78.3	81.8	83.1	83.2	84.4	84.9	84.9	85.8	85.9	85.9	87.1	87.1	87.6	88.4
≥1200	60.1	77.1	79.9	83.4	84.7	84.8	86.1	86.7	86.7	87.6	87.7	87.7	89.0	89.0	89.6	90.3
≥1000	60.3	77.6	80.4	84.0	85.3	85.4	86.7	87.2	87.2	88.3	88.4	88.4	89.7	89.7	90.2	91.0
≥900	60.3	77.6	80.4	84.0	85.4	85.6	86.9	87.4	87.4	88.5	88.6	88.6	89.9	89.9	90.4	91.2
≥800	60.3	78.1	81.7	84.5	85.9	86.1	87.5	88.1	88.1	89.1	89.2	89.2	90.5	90.5	91.1	91.8
≥700	60.3	78.1	81.3	84.9	86.3	86.6	88.1	88.6	88.6	89.8	90.0	90.0	91.3	91.3	91.8	92.6
≥600	60.3	78.2	81.4	85.3	86.7	86.9	88.4	89.4	89.4	90.6	90.9	90.9	92.2	92.2	92.7	93.4
≥500	60.3	78.5	81.7	85.6	87.1	87.3	89.1	90.2	90.3	91.7	91.9	91.9	93.2	93.2	93.8	94.5
≥400	60.3	78.5	81.7	85.9	87.7	88.0	90.1	91.6	91.7	93.4	93.9	93.9	95.4	95.4	96.7	96.8
≥300	60.3	78.5	81.7	86.0	88.1	88.3	90.5	92.2	92.3	94.1	94.6	94.6	96.5	96.5	97.1	97.8
≥200	60.3	78.5	81.7	86.0	88.1	88.3	90.6	92.6	92.7	94.9	95.7	95.7	97.5	97.5	98.2	98.9
≥100	60.3	78.5	81.7	86.0	88.1	88.3	90.6	92.6	92.7	94.9	95.7	95.7	97.5	97.5	98.5	99.7
≥0	60.3	78.5	81.7	86.0	88.1	88.3	90.6	92.6	92.7	94.9	95.7	95.7	97.5	97.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFSTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723260 MCGHEE TYSON AIRPORT TN

73-82

DLG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
20000	32.9	36.5	40.3	41.1	42.1	42.4	42.5	42.5	42.5	42.9	42.9	42.9	42.9	43.2	43.2	43.2
18000	36.7	44.7	45.7	47.3	48.2	48.5	49.7	48.7	48.7	49.1	49.1	49.1	49.1	49.3	49.3	49.3
16000	36.7	45.0	46.1	47.6	48.5	48.9	49.7	49.0	49.0	49.4	49.4	49.4	49.4	49.6	49.6	49.6
14000	36.8	45.2	46.3	47.8	48.8	49.1	49.2	49.2	49.2	49.6	49.6	49.6	49.6	49.8	49.8	49.8
12000	37.4	45.7	46.8	48.3	49.3	49.6	49.7	49.7	49.7	50.2	50.2	50.2	50.2	50.4	50.4	50.4
10000	38.8	47.1	48.2	49.7	50.7	51.0	51.1	51.1	51.1	51.6	51.6	51.6	51.6	51.8	51.8	51.8
9000	39.2	47.8	48.9	50.4	51.3	51.7	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.4	52.4	52.4
8000	39.6	48.3	49.4	51.1	52.1	52.4	52.5	52.5	52.5	53.0	53.0	53.0	53.0	53.2	53.2	53.2
7000	40.6	49.4	50.5	52.2	53.2	53.5	53.6	53.6	53.6	54.0	54.0	54.0	54.0	54.3	54.3	54.3
6000	43.2	52.4	53.5	55.3	56.3	56.6	56.7	56.7	56.7	57.2	57.2	57.2	57.2	57.4	57.4	57.4
5000	44.3	54.1	55.2	57.6	58.8	59.1	59.2	59.2	59.2	59.6	59.6	59.6	59.6	59.8	59.8	59.8
4500	46.5	56.9	57.9	60.3	61.8	62.2	62.4	62.4	62.4	62.9	62.9	62.9	62.9	63.1	63.1	63.1
4000	47.4	58.1	59.6	62.0	63.9	64.5	64.9	64.9	64.9	65.3	65.3	65.3	65.3	65.6	65.6	65.6
3500	48.2	59.1	60.6	63.0	65.0	65.6	66.0	66.2	66.2	66.6	66.6	66.6	66.6	66.8	66.8	66.8
3000	49.5	60.9	62.5	65.0	67.1	67.6	68.7	68.8	68.8	69.0	69.0	69.0	69.0	69.2	69.2	69.2
2500	51.9	64.3	65.9	68.6	70.8	71.5	72.4	73.0	73.0	73.7	73.7	73.7	73.7	74.0	74.0	74.0
2000	54.5	67.7	69.6	73.2	75.5	76.1	77.3	77.9	77.9	78.9	79.0	79.0	79.0	79.3	79.3	79.3
1800	56.9	70.8	72.8	76.5	78.9	79.5	80.7	81.4	81.4	82.3	82.5	82.5	82.5	82.8	82.8	82.8
1600	58.7	73.7	74.9	78.8	81.3	81.9	83.1	83.7	83.7	84.8	85.1	85.1	85.1	85.5	85.5	85.5
1400	59.7	74.0	76.1	80.2	82.7	83.3	84.6	85.4	85.4	86.5	86.9	86.9	86.9	87.2	87.2	87.2
1200	59.7	75.6	77.7	81.9	84.5	85.3	86.7	87.4	87.4	88.7	89.0	89.0	89.0	89.3	89.3	89.3
1000	59.7	75.8	78.1	82.3	85.0	85.9	87.5	88.3	88.3	89.6	89.9	89.9	89.9	90.2	90.2	90.2
900	60.0	76.0	78.4	82.6	85.3	86.1	87.8	88.8	88.8	90.1	90.4	90.4	90.4	90.7	90.7	90.7
800	60.1	76.1	78.5	82.7	85.4	86.2	88.2	89.2	89.2	90.5	90.9	90.9	90.9	91.2	91.2	91.2
700	60.1	76.2	78.6	82.9	85.6	86.5	88.6	89.8	89.8	91.1	91.4	91.4	91.4	91.7	91.7	91.7
600	60.1	76.2	78.6	83.0	85.7	86.7	88.7	90.3	90.3	91.8	92.2	92.2	92.2	92.6	92.6	92.6
500	60.1	76.3	78.7	83.5	86.2	87.4	89.7	91.4	91.4	92.9	93.3	93.3	93.3	93.6	93.6	93.6
400	60.1	76.3	78.7	83.5	86.2	87.4	89.9	91.9	91.9	94.0	94.5	94.5	94.5	95.2	95.2	95.2
300	60.1	76.3	78.8	83.6	86.5	87.7	90.4	92.6	92.7	95.0	95.9	95.9	95.9	96.8	96.8	96.8
200	60.1	76.3	78.8	83.7	86.7	87.8	90.7	93.0	93.1	95.6	97.4	97.4	97.4	98.3	98.3	98.3
100	60.1	76.3	78.8	83.7	86.7	87.8	90.7	93.0	93.1	95.6	97.6	97.6	97.6	98.5	98.5	98.5
0	60.1	76.3	78.8	83.7	86.7	87.8	90.7	93.0	93.1	95.6	97.6	97.6	97.6	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73260 MCGHEE TYSON AIRPORT TN

73-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-1-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																		
	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
NO CEILING	35.2	42.3	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	43.2	46.9	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 18000	43.3	49.7	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 16000	43.3	49.3	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 14000	44.7	50.1	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 12000	46.0	52.3	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 10000	47.8	54.3	55.1	55.4	55.4	55.5	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	48.0	54.8	55.9	56.3	56.3	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 8000	48.9	55.8	56.9	57.3	57.3	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 7000	49.6	56.9	58.0	58.4	58.4	58.6	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	51.0	58.4	59.5	60.3	60.5	60.8	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 5000	52.4	60.2	61.4	62.3	62.8	63.1	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4500	54.4	62.6	64.2	65.1	65.6	65.9	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4000	54.9	63.5	65.1	66.4	67.0	67.3	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 3500	56.8	66.1	67.9	69.2	69.8	70.1	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3000	59.4	69.4	71.4	72.7	73.4	73.7	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2500	62.9	73.3	75.5	76.9	77.6	77.9	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	65.7	77.4	79.8	81.2	82.0	82.3	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1800	66.7	78.8	81.3	82.8	83.6	84.0	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1500	67.8	80.5	83.1	84.7	85.6	86.0	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	68.8	82.5	85.3	87.1	88.1	88.6	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	68.8	83.0	86.0	87.8	88.9	89.6	91.3	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	68.9	83.2	86.2	88.2	89.3	90.0	91.8	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	69.1	83.5	86.5	88.5	89.7	90.3	92.1	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	69.1	83.6	86.7	88.6	89.8	90.4	92.7	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	69.1	84.0	87.0	88.9	90.2	90.9	93.2	94.4	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 500	69.1	84.1	87.2	89.5	90.7	91.6	94.3	95.6	95.6	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 400	69.1	84.1	87.2	89.6	91.0	91.8	94.7	96.2	96.2	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	69.1	84.1	87.2	89.6	91.0	91.8	94.9	96.9	96.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	69.1	84.1	87.2	89.6	91.0	91.8	94.9	96.9	96.9	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	69.1	84.1	87.2	89.6	91.0	91.8	94.9	96.9	96.9	98.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 50	69.1	84.1	87.2	89.6	91.0	91.8	94.9	96.9	96.9	98.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727267 MCGHEE TYSUN AIRPORT TN

72-67

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-1-72-00

ELEVATION FEET	VISIBILITY: STATUTE MILES															
	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
20000	43.3	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
18000	48.7	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
16000	48.7	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
14000	48.9	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
12000	52.9	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
10000	54.2	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
8000	56.3	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
6000	57.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
4000	58.7	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
2000	60.8	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
0000	63.1	67.1	67.2	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
1000	64.9	69.5	69.7	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2000	66.1	70.8	71.0	71.2	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
3000	69.1	74.5	74.7	75.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
4000	70.8	76.3	76.7	77.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
5000	73.1	80.3	80.8	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
6000	74.4	83.2	83.9	84.7	85.4	85.6	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
7000	74.6	83.8	84.6	85.7	86.3	86.6	86.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
8000	74.6	84.4	85.4	86.6	87.2	87.4	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
9000	75.1	85.9	87.3	88.5	89.2	89.5	90.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
10000	75.3	86.2	87.8	89.2	90.0	90.2	90.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
11000	75.3	86.7	88.4	90.0	90.8	91.0	91.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
12000	75.4	87.1	88.8	90.5	91.3	91.5	92.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
13000	75.4	87.1	88.8	90.8	91.5	91.7	92.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
14000	75.5	87.2	88.9	90.9	91.6	91.8	93.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
15000	75.5	87.4	89.2	91.2	91.9	92.2	93.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
16000	75.5	87.4	89.2	91.3	92.4	92.7	94.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
17000	75.5	87.4	89.4	91.4	92.6	92.9	94.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
18000	75.5	87.4	89.4	91.4	92.7	93.1	95.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
19000	75.5	87.4	89.4	91.4	92.7	93.1	95.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
20000	75.5	87.4	89.4	91.4	92.7	93.1	95.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MCGHEE TYSON AIRPORT TN

73-67

540

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES																							
	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48
10000	37.1	43.3	43.8	44.2	44.5	44.6	44.6	44.7	44.7	44.8	44.9	44.9	45.0	45.0	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
9000	42.5	47.8	48.3	48.9	49.3	49.3	49.4	49.5	49.5	49.6	49.7	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
8000	42.5	47.9	48.4	49.0	49.4	49.4	49.5	49.6	49.6	49.7	49.8	49.8	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
7000	43.5	48.5	49.1	49.7	50.1	50.1	50.2	50.3	50.3	50.4	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
6000	47.6	51.9	52.4	53.0	53.4	53.5	53.7	53.8	53.9	53.9	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
5000	47.6	53.2	53.9	54.5	54.9	55.0	55.1	55.2	55.2	55.4	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
4000	48.7	54.4	55.0	55.7	56.1	56.2	56.3	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
3000	51.3	56.4	57.0	57.7	58.1	58.2	58.4	58.5	58.5	58.7	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
2000	51.3	58.3	58.9	59.7	60.2	60.7	60.7	60.7	60.7	60.8	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
1000	54.1	61.4	62.0	62.9	63.5	63.7	64.0	64.2	64.2	64.7	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
800	56.1	64.0	64.9	65.9	66.6	66.9	67.2	67.3	67.3	67.5	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
700	57.2	65.4	66.3	67.4	68.2	68.4	68.8	69.1	69.1	69.3	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
600	59.1	67.9	69.0	70.1	71.0	71.2	71.6	71.9	71.9	72.2	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
500	61.6	71.2	72.4	73.7	74.7	74.9	75.5	75.9	75.9	76.2	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
400	64.3	75.2	76.5	78.2	79.2	79.5	80.0	80.6	80.6	81.1	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
300	66.3	78.5	80.1	82.0	83.1	83.3	84.1	84.5	84.5	85.0	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
200	67.0	79.6	81.2	83.3	84.4	84.6	85.4	85.9	85.9	86.4	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
100	67.7	80.9	82.5	84.8	85.9	86.2	87.1	87.6	87.6	88.2	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
9000	68.2	82.5	84.3	86.6	87.8	88.1	89.1	89.6	89.7	90.3	90.5	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
8000	69.3	82.7	84.7	87.1	88.3	88.7	89.8	90.3	90.4	91.1	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
7000	68.4	83.0	85.0	87.5	88.7	89.1	90.3	90.9	90.9	91.7	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
6000	68.4	83.2	85.4	87.9	89.2	89.6	90.8	91.5	91.5	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
5000	68.4	83.4	85.6	88.5	89.8	90.2	91.7	92.6	92.6	93.6	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
4000	68.4	83.5	85.8	88.7	90.0	90.5	92.3	93.3	93.3	94.5	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
3000	68.4	83.6	85.9	89.1	90.6	91.2	93.4	94.7	94.9	96.6	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2000	68.4	83.6	85.9	89.1	90.7	91.3	93.6	95.1	95.2	97.2	97.9	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	68.4	83.6	85.9	89.1	90.7	91.3	93.6	95.1	95.3	97.3	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
9000	68.4	83.6	85.9	89.1	90.7	91.3	93.6	95.1	95.3	97.3	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY SPANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

703267 MCGHEE TYSON AIRPORT IN

77-87

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
≥10000	33.2	41.8	43.2	45.7	47.7	47.3	48.7	48.2	48.5	48.5	48.5	48.5	48.7	48.7	48.9	49.7
≥9000	38.1	47.1	49.9	52.7	54.2	54.5	55.2	55.5	55.5	55.6	55.7	55.7	55.9	55.9	56.1	56.4
≥8000	38.1	47.2	50.7	52.8	54.3	54.6	55.4	55.6	55.6	55.9	56.0	56.0	56.2	56.2	56.4	56.5
≥7000	38.9	46.1	51.0	53.8	55.3	55.6	56.4	56.6	56.7	57.0	57.0	57.0	57.2	57.3	57.5	57.6
≥6000	47.6	52.3	53.2	56.2	57.8	58.1	58.9	59.1	59.2	59.5	59.5	59.5	59.8	59.8	60.2	60.1
≥5000	41.8	52.0	55.1	58.2	59.8	60.2	61.7	61.3	61.3	61.6	61.7	61.7	61.9	61.9	62.1	62.3
≥4000	43.1	53.7	57.7	60.3	61.9	62.3	63.2	63.4	63.5	63.8	63.9	63.9	64.1	64.1	64.3	64.5
≥3000	44.2	55.2	58.5	61.8	63.6	63.9	64.8	65.1	65.1	65.5	65.6	65.6	65.8	65.8	66.0	66.2
≥2000	45.6	57.2	60.7	64.1	65.9	66.3	67.2	67.5	67.5	67.9	68.0	68.0	68.2	68.2	68.4	68.6
≥1000	46.9	58.9	62.4	66.0	67.9	68.3	69.3	69.6	69.6	70.0	70.1	70.1	70.3	70.3	70.5	70.7
≥900	49.1	62.0	65.6	69.6	71.5	72.7	73.7	73.4	73.4	73.8	73.9	73.9	74.1	74.1	74.4	74.5
≥800	50.6	64.4	68.2	72.4	74.4	74.9	76.7	76.4	76.5	76.9	76.9	76.9	77.2	77.2	77.4	77.6
≥700	51.8	65.9	69.7	74.2	76.3	76.8	78.1	78.4	78.5	78.9	79.0	79.0	79.2	79.2	79.5	79.6
≥600	53.2	67.9	71.9	76.4	78.7	79.2	80.4	80.8	80.9	81.3	81.4	81.4	81.7	81.7	82.0	82.1
≥500	54.7	70.2	74.4	79.1	81.4	82.0	83.3	83.8	83.8	84.3	84.4	84.4	84.7	84.7	84.9	85.1
≥400	56.1	72.4	76.8	81.7	84.2	84.6	86.2	86.7	86.8	87.3	87.4	87.4	87.7	87.7	87.9	88.1
≥300	57.2	74.3	78.9	84.1	86.6	87.3	88.8	89.3	89.4	89.9	90.0	90.0	90.3	90.3	90.6	90.7
≥200	57.5	75.0	79.5	84.9	87.5	88.1	89.7	90.2	90.3	90.8	91.0	91.0	91.3	91.3	91.5	91.7
≥150	57.8	75.7	80.4	85.8	88.4	89.1	90.7	91.2	91.3	91.9	92.1	92.1	92.4	92.4	92.6	92.8
≥100	58.1	76.5	81.2	86.8	89.5	90.2	91.8	92.5	92.5	93.2	93.3	93.3	93.6	93.7	93.9	94.1
≥90	58.2	76.7	81.6	87.2	90.0	90.7	92.5	93.1	93.2	93.9	94.0	94.0	94.4	94.4	94.6	94.8
≥80	58.2	76.9	81.8	87.6	90.4	91.1	92.9	93.6	93.7	94.4	94.5	94.5	94.9	94.9	95.1	95.3
≥70	58.3	77.1	82.0	87.8	90.6	91.4	93.2	94.0	94.1	94.8	94.9	94.9	95.3	95.3	95.5	95.7
≥60	58.3	77.2	82.1	88.0	90.9	91.7	93.6	94.4	94.5	95.2	95.4	95.4	95.7	95.8	96.0	96.2
≥50	58.3	77.3	82.2	88.3	91.2	92.0	94.0	94.8	94.9	95.7	95.9	95.9	96.3	96.3	96.5	96.7
≥40	58.3	77.3	82.3	88.4	91.4	92.3	94.4	95.3	95.4	96.3	96.5	96.5	96.9	96.9	97.2	97.3
≥30	58.3	77.4	82.4	88.6	91.7	92.6	94.8	95.8	96.0	97.0	97.2	97.2	97.7	97.7	98.0	98.1
≥20	58.3	77.4	82.4	88.7	91.8	92.7	95.1	96.2	96.3	97.5	97.8	97.8	98.3	98.3	98.6	98.8
≥10	58.3	77.4	82.4	88.7	91.8	92.8	95.2	96.4	96.6	97.9	98.2	98.2	98.8	98.8	99.2	99.4
≥0	58.3	77.4	82.4	88.7	91.8	92.8	95.2	96.4	96.6	97.9	98.3	98.3	99.0	99.0	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS 87613

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATION THE DEGREE OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBLSCURED WERE USED AS INPUT FOR THE
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBLSCURED WAS CONVERTED TO 10/10

SKY COVER

74-53

JAN

STATION

STATION NAME

PERIOD:

WINN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

USAFETAC

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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74-87

550

STATION

STATION NAME

PERIOD

MONTAGNE

2

SKY COVER

74-83

MAC

STATION

STATION NAME

PERIOD

2000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	28.6	.1		8.9	.9	.2	.6		2.3	8.4	50.1	6.3	937
	03-05	28.0			9.9						9.8	52.4	6.4	923
	06-08	21.2	1.3		9.1	1.0	.5	.3		2.6	9.8	54.1	6.9	924
	09-11	16.1			13.7						20.9	49.4	7.2	928
	12-14	14.8	.9		12.8	1.4	.9	1.1		3.4	15.6	49.1	7.1	930
	15-17	14.6			17.7						20.6	47.0	7.1	930
	18-20	19.5	1.4		13.4	1.6	.6	.4		2.9	14.6	45.5	6.6	932
	21-23	28.0			12.9						14.7	44.4	6.2	930
TOTALS		21.4	.5		12.3	.6	.3	.3		1.4	14.3	49.7	6.7	7425

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

74-87

ADK

STATION

STATION NAME

PERIOD

WONDER

1

Table 1

SKY COVER

74-62

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	32.5	.7		13.7	1.0	.5	1.4		2.2	10.6	37.4	5.4	922
	03-05	28.4			15.8						15.7	47.8	5.9	905
	06-08	17.2	1.0		13.9	.8	.4	1.2		3.3	16.5	45.7	6.9	919
	09-11	19.7			18.4						22.4	39.9	6.6	927
	12-14	13.7	1.8		23.4	1.6	1.3	1.3		3.8	16.9	36.2	6.4	930
	15-17	11.7			27.1						22.5	39.7	6.7	930
	18-20	15.6	1.4		18.9	1.0	.5	.5		3.3	13.7	45.1	6.7	930
	21-23	27.2			17.3						15.3	40.2	5.9	929
</														

USAFETACFORM
JUL 64

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

74-83

332

STATION

S* A* ON NAME

Page 30

94. 1998. 10. 10

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	38.4	.7		16.4	1.3	1.0	1.6		3.7	17.	24.1	4.6	923
	03-05	37.7			20.2						14.5	26.3	4.7	917
	06-08	18.7	2.0		20.0	1.6	1.5	1.1		2.3	18.3	32.0	6.7	916
	09-11	20.2			23.1						17.2	29.8	5.8	925
	12-14	7.9	1.8		34.3	3.4	2.7	1.8		4.2	27.7	22.1	5.9	929
	15-17	8.1	.1		36.8						27.6	25.5	5.2	929
	18-20	16.6	1.5		22.7	1.8	1.7	1.8		5.2	19.4	30.0	6.1	929
	21-23	27.7			24.4						27.6	27.3	5.3	927
TOTALS		21.8	.8		25.7	1.0	.8	.8		2.1	19.9	27.1	5.6	7388

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

74-13

ANS.

STATION

STATION NAME

PER 00

W. A. S.

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	43.0	.3		12.9	1.7	.7	1.6		2.2	12.5	25.6	4.4	921
	03-05	41.1			13.5						14.6	30.6	4.9	896
	06-08	21.9	1.0		17.6	1.7	.6	1.2		4.2	16.4	35.2	6.7	904
	09-11	22.0			23.7					.1	23.4	31.5	6.0	922
	12-14	9.1	2.6		32.6	3.7	2.2	1.9		4.6	21.4	22.7	5.9	927
	15-17	10.4			47.0						27.7	21.6	5.9	933
	18-20	17.7	2.2		23.6	1.4	1.5	1.1		4.7	19.9	27.9	5.9	928
	21-23	31.1			21.6						18.2	29.9	5.2	925
TOTALS		24.5	.9		23.2	.8	.6	.7		2.0	19.3	28.1	5.5	7353

21

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73-82

55

STATION

STATION NAME

PERIOD

422

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FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

77-52

CCT

STATION

STATION NAME

PERIOD

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	47.4	.7		10.7	.3	.2	.6		2.5	7.5	29.8	4.3	919
	03-05	46.1			13.3						9.0	31.4	4.4	899
	06-08	33.3	1.6		11.6	.9	.4	.6		2.8	13.5	35.3	5.4	899
	09-11	30.5			20.7						16.1	32.6	5.3	917
	12-14	26.7	2.2		22.0	1.5	.4	.8		4.7	16.9	26.2	5.3	932
	15-17	27.9			23.6						15.4	32.1	5.4	929
	18-20	34.3	2.2		18.1	.9	.1	.5		3.1	11.7	28.8	4.8	973
	21-23	45.3			12.5						12.8	29.4	4.5	928
TOTALS		36.4	.8		16.6	.5	.2	.4		1.6	13.3	32.5	4.9	7351

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

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Table 1

100

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

[illegible]

SKY COVER

7-11:

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S. A. S. NAMU

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5.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

727260 MCGHEE TYSON AIRPORT TN 77-67 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	20.5	.3		10.6	.3	.0	.5		.9	11.9	54.9	7.0	7422
FEB		24.8	.4		10.8	.3	.3	.4		1.1	12.3	49.7	6.5	6750
MAR		21.4	.5		12.3	.6	.3	.3		1.4	14.3	49.0	6.7	7425
APR		26.8	.5		15.9	.5	.7	.5		1.5	16.2	37.7	5.9	7192
MAY		20.7	.6		18.6	.6	.3	.6		1.6	16.6	47.5	6.3	7392
JUN		22.2	.8		24.6	.7	.5	.8		2.1	19.0	29.3	5.7	7172
JUL		21.8	.8		25.7	1.0	.8	.8		2.1	19.9	27.1	5.6	7388
AUG		24.5	.9		23.2	.8	.6	.7		2.0	19.3	28.1	5.5	7353
SEP		22.5	.7		18.9	.8	.4	.8		1.9	19.1	35.1	6.1	7124
OCT		36.4	.8		16.6	.5	.2	.4		1.6	13.3	30.5	4.9	7351
NOV		29.5	.4		13.2	.5	.3	.4		1.2	13.2	41.3	5.9	7166
DEC		27.5	.4		11.8	.2	.2	.5		1.0	11.7	46.7	6.2	7478
TOTALS		24.9	.6		16.9	.6	.4	.6		1.5	15.6	39.2	6.0	87143

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC
 723260 MCGHEE TYSON AIRPORT TN
 STATION NAME STATION NAME

48-83

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP. °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100						.4	.2	.3	.5				.2
95						2.8	9.1	6.4	2.4				1.8
90				.1	3.3	19.4	36.9	31.0	10.7	.4			8.6
85			.1	4.4	21.4	56.1	75.8	73.1	36.8	3.0			22.8
80		.1	2.2	20.4	49.0	83.3	93.6	94.4	64.7	15.7	.9	.1	35.7
75	.3	.8	9.8	37.7	72.4	95.3	98.3	98.6	83.2	38.6	4.4	.7	45.4
70	2.6	5.4	22.3	57.8	86.1	98.8	100.0	99.7	94.4	60.6	17.4	3.3	54.4
65	9.1	14.7	38.3	73.9	95.2	99.5		99.9	98.5	77.7	34.4	11.2	63.0
60	17.1	26.9	52.8	86.9	98.7	100.0		100.0	99.8	89.9	51.9	19.7	70.5
55	27.7	41.7	69.2	93.9	99.7				99.9	96.3	66.1	32.9	77.4
50	40.6	57.3	82.3	98.2	100.0				100.0	98.7	80.1	49.4	84.0
45	56.1	71.1	91.3	99.6						99.8	89.2	69.7	89.8
40	71.5	84.8	96.2	100.0						100.0	96.1	85.5	94.5
35	86.3	93.2	98.7								99.1	93.1	97.5
30	95.0	97.4	99.7								99.7	98.2	99.2
25	97.9	99.2	100.0								99.9	99.6	99.7
20	98.9	99.9										99.9	99.9
15	99.6	100.0										100.0	100.0
10	99.9										100.0		100.0
5	100.0												100.0
MEAN	47.1	51.6	60.1	70.6	78.3	84.8	87.6	87.1	81.6	71.0	58.9	50.2	69.1
S D	11.787	11.444	11.092	9.404	7.471	5.687	5.245	5.045	7.080	8.524	10.516	10.479	16.984
TOTAL OBS	1116	1017	1116	1080	1116	1080	1116	1116	1050	1085	1050	1085	13027

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 723260 MCGHEE TYSON AIRPORT TN
STATION STATION NAME

48-83

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						.9	2.5	.6	.1				.4
70				.1	1.1	11.9	39.2	33.3	6.4				8.0
65			.3	1.3	12.0	55.5	86.1	78.9	36.5	2.6	.3	.1	23.1
60	.3	.2	1.9	11.2	41.7	81.6	96.2	94.0	62.8	10.6	1.4	.4	33.8
55	1.5	1.8	6.0	27.4	63.8	95.1	99.5	99.7	82.1	26.6	6.4	2.1	43.0
50	4.2	6.0	15.7	45.6	81.6	99.2	100.0	100.0	94.2	45.0	13.9	5.3	51.2
45	9.1	12.3	29.8	63.1	92.3	99.7			99.1	64.8	25.7	11.0	59.2
40	18.5	22.3	46.1	79.3	98.5	100.0			99.9	84.2	40.0	20.3	67.7
35	31.3	39.3	63.2	92.6	99.9				100.0	95.2	61.3	36.4	76.8
30	38.1	46.0	72.7	96.2	100.0					97.6	70.4	44.2	80.6
25	50.6	58.6	83.0	98.6						99.3	83.2	57.9	86.0
20	68.9	77.0	95.2	100.0						100.0	94.5	77.7	92.8
15	81.5	88.2	98.5								98.5	90.9	96.5
10	90.4	95.0	99.5								99.6	97.0	98.5
5	95.6	97.5	99.8								99.9	99.3	99.3
0	98.1	99.2	99.9								100.0	99.8	99.8
-5	99.1	99.9	100.0									99.9	99.9
-10	99.7	100.0										100.0	100.0
-15	100.0												100.0
MEAN	29.4	31.8	38.9	47.9	56.5	64.2	68.2	67.3	61.2	48.4	38.2	31.9	48.7
S D	11.455	10.712	9.768	8.967	7.241	5.169	3.829	4.072	6.668	8.660	9.489	9.949	16.260
TOTAL OBS	1116	1017	1116	1080	1116	1080	1116	1116	1050	1085	1050	1085	13227

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 723260 MCGHEE TYSON AIRPORT TN
 STATION STATION NAME

45-83

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90							.1						.2
85						1.2	4.3	1.7	.5				.7
80					.8	13.7	35.7	31.3	7.0				7.5
75			.1	1.3	13.9	55.5	83.9	79.5	35.7	1.8			22.9
70		.1	1.0	12.6	45.0	87.6	97.6	96.7	65.1	10.3	.8	.2	35.1
65	.5	.9	6.5	31.2	71.1	97.1	99.9	99.7	86.7	29.5	3.6	1.0	44.3
60	3.0	4.1	17.3	51.4	86.8	99.4	100.0	100.0	96.9	53.6	12.8	3.8	52.8
55	7.7	17.6	31.4	71.4	96.2	100.0			99.6	75.4	27.2	10.0	61.1
50	16.3	23.3	49.6	87.6	99.6				99.9	90.7	46.8	18.4	69.6
45	28.4	40.8	68.7	96.1	100.0				100.0	98.1	68.2	33.1	77.9
40	45.6	58.7	86.0	99.3						99.6	83.1	55.9	85.8
35	64.5	77.0	95.2	100.0						100.0	94.6	77.3	92.4
30	80.4	88.4	98.3								98.7	90.7	96.4
25	91.0	95.6	99.6								99.5	96.5	98.5
20	95.5	98.2	99.7								99.9	99.3	99.4
15	98.4	99.4	100.0									99.8	99.8
10	99.2	99.9									100.0	99.9	99.9
5	99.9	100.0										100.0	100.0
-5	100.0												100.0
MEAN	38.5	41.9	49.8	59.5	67.7	74.7	78.2	77.5	71.6	60.0	48.8	41.3	59.1
S D	10.945	10.267	9.569	8.274	6.534	4.746	3.869	3.845	6.021	7.601	9.082	9.472	16.217
TOTAL OBS	1116	1017	1116	1080	1116	1080	1116	1116	1050	1085	1050	1085	13027

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

72326- MCGHEE TYSON AIRPORT TN
STATION STATION NAME

43-87

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
48	70	75	82	86	87	97	99	102	90	80	84	70	102
49	76	75	83	80	89	94	97	96	89	87	76	69	97
50	77	71	81	96	89	94	91	90	91	84	81	68	94
51	69	75	76	87	91	98	98	96	100	91	73	77	100
52	75	69	78	85	89	101	103	93	92	86	75	67	103
53	66	65	76	85	92	99	98	98	99	91	75	69	99
54	64	73	82	86	90	100	101	99	103	90	73	71	103
55	70	73	77	88	91	89	97	97	96	83	76	73	97
56	63	71	79	87	91	92	95	97	90	84	77	73	97
57	73	72	73	90	90	95	95	98	97	77	76	68	98
58	63	66	65	84	89	96	93	91	91	82	79	63	96
59	72	72	79	84	93	96	96	95	91	89	76	67	96
60	71	71	75	89	90	91	94	95	96	82	74	58	96
61	61	73	77	79	82	87	89	90	92	82	83	68	92
62	70	74	76	98	94	91	96	95	96	84	68	66	96
63	68	67	86	86	88	91	88	92	89	83	73	51	92
64	65	56	78	84	87	96	92	93	89	82	75	73	96
65	68	73	74	89	90	89	91	96	92	83	73	70	96
66	66	66	83	83	86	94	98	89	88	81	71	72	98
67	72	70	81	85	90	92	87	89	87	83	72	74	92
68	65	57	81	84	88	91	93	99	88	84	77	64	99
69	69	65	73	82	92	93	95	90	88	83	69	65	95
70	67	63	72	87	89	92	97	93	90	83	72	75	97
71	65	71	78	85	84	93	92	89	90	85	77	73	93
72	72	75	75	83	84	91	93	90	90	76	77	69	93
73	66	64	84	83	83	89	89	93	94	82	74	70	94
74	77	68	79	80	88	90	92	92	88	81	82	69	92
75	71	72	78	84	90	91	94	94	96	82	76	69	96
76	65	74	82	87	87	90	93	91	89	80	71	68	93
77	49	83	80	85	90	95	97	96	91	83	74	69	97
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OIA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

723260 MCGHEE TYSON AIRPORT TN
STATION STATION NAME

42-83

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

723262 MCGHEE TYSON AIRPORT TN
STATION STATION NAME

42-83

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	2	20	22	38	43	52	59	57	52	29	30	14	2
49	2	24	19	30	46	56	67	60	41	40	27	20	19
50	24	19	23	26	53	51	57	56	44	40	5	17	5
51	16	5	24	33	42	56	58	60	46	38	22	9	5
52	15	23	27	33	41	62	55	56	49	25	23	19	15
53	24	22	28	31	47	55	59	59	46	39	21	9	9
54	11	20	21	33	37	52	63	61	51	28	17	21	11
55	14	6	14	35	48	51	65	65	56	33	15	17	6
56	17	28	25	32	44	43	57	53	45	40	21	28	17
57	11	25	30	33	39	62	61	56	49	28	24	5	5
58	17	-2	26	32	39	58	63	58	48	35	24	10	-2
59	6	15	25	33	43	55	63	63	54	36	17	22	4
60	15	7	6	27	41	56	63	65	51	33	26	7	7
61	5	20	31	31	39	54	51	58	47	29	26	9	5
62	1	13	27	29	44	56	57	58	43	25	26	-2	-2
63	-6	5	28	34	34	56	54	56	43	31	25	8	-6
64	7	17	22	27	44	52	57	53	47	33	20	16	7
65	8	3	18	39	51	53	60	56	47	32	23	20	3
66	-9	8	23	32	40	44	64	55	50	37	25	14	-9
67	19	5	21	36	41	55	52	57	36	30	21	21	5
68	11	8	20	36	40	52	61	53	51	29	22	14	8
69	7	20	18	31	40	51	62	58	49	32	16	19	7
70	-4	0	20	32	42	56	59	63	45	38	13	17	-4
71	14	3	21	34	35	54	62	59	55	40	26	22	3
72	1	15	23	29	45	44	55	61	45	32	25	13	1
73	11	13	29	28	38	59	60	58	48	38	26	15	11
74	28	16	30	35	43	50	62	61	48	33	26	19	16
75	15	18	18	29	45	55	60	66	48	35	23	11	11
76	7	16	26	34	38	50	58	56	44	27	16	11	7
77	-1	14	23	36	39	48	64	60	54	35	24	10	-1
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

FROM DAILY OBSERVATIONS

72326- MCGHEE TYSON AIRPORT TN
STATION STATION NAME

~~42-23~~

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
HOURS _____

USAFETAC FORM 0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

MC GHEE-TYSON AIRPORT TENNESSEE REVISED UNIFORM SUMMARY
OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 30 JAN 84

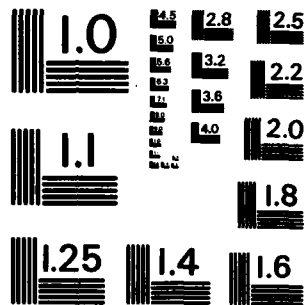
4/5

UNCLASSIFIED

TECHNICAL APPLICATIONS CENTER SCOTT AFB, IL 62244-4100
USAFETAC/DS-84/006 SBI-AD-E850 614 F/G 4/2

F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

PSYCHROMETRIC SUMMARY

74-83

YEARS

JAN
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
-4/-5																						1										
-6/-7																						1										
-8/-9																						3										
-10/-11																						4										
-12/-13																						3										
-14/-15																						2										
TOTAL	13.96	1.0	19.2	3.8	1.9	.3													930	930	930	930										
Element (X)	Z _H ²	Z _H	X	C ₂	No. Obs.	Mean No. of Hours with Temperature						Total																				
Rel. Hum.	6105198	74344	79.9	13.212	930	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																				
Dry Bulb	1145055	30717	33.0	1.952	930	.7	44.2					93																				
Wet Bulb	1026560	28972	31.2	1.553	930	.8	51.2					93																				
Dew Point	859297	25355	27.3	1.449	930	2.0	61.3					93																				

USAFETAC
FORM 0-26-5 (OLA)
JAN 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIP WEATHER SERVICE/MAC

YEARS

727260	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-83

JAN
MONTN

PAGE 2

7600-3843
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
-2/-3		.3																														
-4/-5																																
-8/-9																																
1/-11																																
12/-13																																
16/-17																																
TOTAL	17.4	1.1	7.1	2.7	1.6														929	929	929											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

723260
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

74-83

YEARS

JAN
MONTN

PAGE 2

6902-1100
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
0/-1		.1																	1	1	3	3													
-2/-3																					1														
-4/-5		.1																	1	1		8													
-6/-7																					1	4													
-8/-9																						2													
-10/-11																						1													
-12/-13																						1													
-14/-15																						2													
-16/-17																						1													
-18/-19																						1													
TOTAL	8.15	3.12	6.5	9.2	2.6	.9	.1												930	730	930	930													

2

74-83

YEARS

MONTH

PAGE 1

~~1200-1400~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point										
71/ 69					.2													2	2											
63/ 67					.6	.2												14	14											
66/ 65				.5	.1	.2	.1	.1										10	10											
64/ 63			.1	.1	.3		.3											8	8	3										
62/ 61		.1	.1	.2	.2	.3												9	9	6										
60/ 59		.6	.2	.1	.8	.4												20	20	14										
56/ 57	.1	.6	.5	.3	.3		.1	.1										20	20	12										
56/ 55	.2	1.0	.2	.6	.1	.1	.4											25	25	18										
54/ 53	.3	.8	.2	.4	1.1	.2	.4											12	32	21										
52/ 51	.1	.9	.6	.5	.9	.5	.1											34	34	24										
50/ 49	.2	.4	1.2	1.6	.3	.8	.2											44	44	24										
48/ 47	.1	1.3	1.5	.9	.5	1.1												50	50	21										
46/ 45	.2	2.3	1.0	1.3	1.2	.3												56	58	49										
44/ 43	.5	1.5	.6	1.7	1.0	.4												54	54	67										
42/ 41	.1	1.8	1.9	1.3	1.0	.4												61	61	41										
40/ 39	.2	1.8	2.7	1.6	.6	.2												67	67	59										
38/ 37	.3	1.5	1.4	1.7	1.2	.1												59	59	72										
36/ 35	.4	1.9	1.7	1.7	1.3	.1												67	67	71										
34/ 33	.2	3.0	2.4	1.4	1.0													74	74	65										
32/ 31		1.1	2.4	1.4	.6													51	51	60										
30/ 29	.2	1.1	2.2	1.4	.1													46	46	71										
28/ 27		1.2	1.9	.8	.1													37	37	45										
26/ 25		.8	1.0	.3														19	19	44										
24/ 23		.2	.9	.3														13	13	43										
22/ 21		.1	1.4															14	14	17										
20/ 19		.3	1.1															13	13	15										
18/ 17		.3	1.0															12	12	14										
16/ 15		.2	.3															5	5	16										
14/ 13		.3	.1															4	4	7										
12/ 11			.1															1	1	5										
10/ 9		.1	.1															2	2	1										
8/ 7		.1	.3															4	4	3										
6/ 5		.1																1	1	4										
4/ 3		.1																1	1	1										
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																			
Rel. Hum.											≤ 6 F		≤ 30 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total							
Dry Bulb																														
Wet Bulb																														
Dew Point																														

0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727261	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-87

YEARS

JAN
MONTH

PAGE 2 1270-1400
HOURS (L. S. T.)

[illegible]

2

74-87

YEARS

113

PAGE 1

~~156-172~~
~~HOUSE (1937)~~

USAFETAC FORM 0-26-5 (OLA)
REV. 44
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

YEARS

701267	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-83

 JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

2

723260	MCGHEE LYCON AIRPORT IN
STATION	STATION NAME

74-83

YEARS

11A
MONTH

PAGE 1 ~~1800-2000~~
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

70326	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-27

YEARS

MONTE

PAGE 2 1470-2700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
1/-1																																		
-2/-3																																		
-4/-5																																		
-6/-7																																		
-8/-9																																		
-10/-11																																		
-12/-13																																		
-14/-15																																		
-16/-17																																		
-18/-19																																		
TOTAL	4.532.33	119.7	9.5	3.0	.9	.1												930	937	93														

Element (X)	Z ₁	Z ₂	X	° ₂	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4693562	63982	69.817.721	93	10 F	132 F	67 F	73 F	80 F	93 F		
Dry Bulb	1508345	36703	38.711.105	937	1	25.8	2				93	
Wet Bulb	1250624	32592	35.10.804	937	2	37.1					93	
Dew Point	941323	24627	28.613.879	930	2.4	55.1					93	

USAFETAC
FORM
AF 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
OSAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723261	MCGHEE TACON AIRPORT TA
STATION	STATION NAME

74-67

YEARS

— 153 —

DATE

~~20108113~~ 23

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/ 65			.1															1	1																
66/ 63			.2															2	2																
67/ 61		.1	.4	.1	.2	.1												1	1																
67/ 59		.4	.4	.3		.1												4	4																
67/ 57	.1		.6															7	7																
68/ 55		1.1	.8	.5	.1													11	11																
68/ 53		1.3	.7	.3	.1		.2											11	11	74															
68/ 51	.1	.2	.8	.1	.1	.2												13	13	14	20														
67/ 49	.6	.6	.6	.3	.5	.1												23	17	12	1														
68/ 47	.3	2.6	.5	.8	.3													45	45	15	14														
67/ 45		1.4	.8	1.2	.7													23	24	34	1														
68/ 43		2.7	1.6	.2	.1	.1												53	12	32	1														
67/ 41	.6	1.6	1.4	.4		.7												40	40	51	21														
67/ 39	.7	3.1	1.3	1.0	.3													54	54	56	48														
67/ 37	.8	5.5	1.7	1.5														58	48	45	41														
68/ 35	1.8	3.5	2.9	1.7	.2													75	25	24	7														
68/ 33		3.1	2.7	.2														56	56	14	55														
67/ 31	.1	4.3	3.5	.6														60	60	20	62														
67/ 29	.9	2.7	2.0	.6														60	60	94	52														
68/ 27	.2	1.6	1.7															33	33	47	52														
68/ 25	.7	2.4	.9	.1														34	34	55	41														
68/ 23		1.2	.6															17	17	44	22														
67/ 21	.2	1.2	2.3															34	34	72	57														
68/ 19	.1	2.2	1.1															30	30	22	62														
68/ 17	.3	1.1	.9															20	20	32	3														
68/ 15		1.2	.4															15	15	16	34														
68/ 13		1.2	.3															14	14	18	26														
62/ 11		.6	.1															7	7	15	12														
67/ 9		.3																3	3	8	25														
67/ 7		.1																1	1	4	23														
67/ 5		.1																1	1	2	5														
47/ 3		.1																1	1	1	12														
27/ 1																					16														
77/ -1		.2																2	2		8														
Element (X)	2x ²	2x	X	x ²	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

YEARS

72726	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-87

22
MONTH

PAGE 1 200-2760
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
-1/-3																		1	1	3	2														
-2/-5																					3														
-3/-7																					1														
-4/-15																					3														
TOTAL	5.9	47.2	31.6	17.9	2.4	.9	.2											570	93	570	93														

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

74-83

YEARS

— **Midnight**

PAGE 1

HOURS (EST.)

USAFETAC
FORM
AF 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703267 HOGHEE TYSON AIRPORT TN
STATION STATION NAME

74-87

YEARS

JAN

MONTH

PAGE 1

ALL
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
-1/-1			.1															9	9	1	1	2													
-1/-1		.1	.2															17	17	11	11	43													
-1/-3			.1															7	7	17	17	29													
-4/-5																		1	1	2	2	31													
-6/-7																					1	1	12												
-6/-9																							14												
-11/-11																							13												
-11/-13																							6												
-14/-15																							8												
-16/-17																							7												
-17/-19																							7												
-17/-21																							1												
TOTAL	9.5	44.6	25.1	11.7	6.3	2.7	1.0	.2	.0									7439	7439	7439	7439														

Element (X)	2 _g	2 _g	X	° _g	No. Obs.	Mean No. of Hours with Temperature										Total	
Rel. Hum.	42.63745	544667	73.2	17.137	7439	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F						
Dry Bulb	10974832	271212	36.5	2.95	7447	2.5	266.7	4.0									744
Wet Bulb	9304930	248048	33.5	1.442	7439	3.1	350.0										744
Dew Point	7254524	204544	28.0	3.748	7439	17.0	467.0										744

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70726 STATION MCGHEE LYSON AIRPORT IN 74-63 YEARS FEB MONTH

PAGE 1 0000-0000 HOURS (C.Y.Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
77/ 69									.2									3	7						
68/ 67						.1												1	1						
66/ 65				.2	.4													5	5						
64/ 63			.1			.1	.1											3	3						
62/ 61		.1		.1		.1	.1											4	4						
60/ 59		.1	.4	.2	.2	.1	.4											12	12			7			
58/ 57		1.5	1.1	.1		.2	.4											28	28			11	6		
56/ 55	.5	1.3	.6			.4	.1											24	24			23	12		
54/ 53	1.3	2.2	.1	.1	.1	.1	.2											36	36			32	29		
52/ 51	.2	1.4	.2	.2	.5	.4												25	25			29	26		
50/ 49	.4	1.1	.6	.5	.2	.1												24	24			22	26		
48/ 47	.1	1.4	1.2	.5	.5	.1												32	32			17	12		
46/ 45		1.2	1.4	1.1	.4	.1												35	35			32	16		
44/ 43	.4	1.4	1.2	.9	.4	.4												39	39			29	17		
42/ 41	.1	.7	1.5	.9	.5													33	33			35	28		
40/ 39	.2	2.4	2.2	.9	.9													55	55			27	21		
38/ 37		3.5	2.4	2.1	.2													73	70			66	27		
36/ 35		2.8	3.4	.8														60	60			52	35		
34/ 33	.1	3.8	3.1	.6														64	64			66	58		
32/ 31	.4	4.7	4.4	.8														87	87			93	70		
30/ 29	.1	1.9	2.7	.2														42	42			56	51		
28/ 27	.6	2.6	2.8															51	51			51	42		
26/ 25	.1	1.7	.9															23	23			43	62		
24/ 23		.7	.7															12	12			35	41		
22/ 21	.5	1.4	.8															23	23			18	57		
20/ 19	.4	3.3	.4															34	34			23	54		
18/ 17		1.2																10	10			32	32		
16/ 15		.2																2	2			7	38		
14/ 13	.2	.2																4	4			3	28		
12/ 11	.2																	2	2			4	21		
10/ 9		.1																1	1			1	20		
8/ 7		.1																1	1			1	7		
6/ 5		.1																1	1			2	2		
4/ 3																								2	
Element (X)	Σ ₁		Σ ₂		Σ		Σ ₄		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											≤ 30 F	32 F	47 F	73 F	80 F	93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

74-83

FEB
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723262 MCGHEE TYSON AIRPORT IN
STATION STATION NAME

74-67

YEARS

EEB
MONTH

PAGE 1 ~~0300-0500~~
~~1000-1200~~

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70060	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-83

FEH
MONTH

YEARS

PAGE 2

2300-2500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

YEARS

77726	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-83

FREE
MONTH

PAGE 2

2670-0820
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72261 MCGHEE LYSON AIRPORT IN
STATION STATION NAME

74-83

YEARS

FEB
MAR 74

PAGE 3

NOV 19 1974

[illegible]

PSYCHROMETRIC SUMMARY

72726	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-83

YEARS

753
MONTH

PAGE 7

2901-11-0
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72376	MCCHEE TYSON AIRPORT IN
STATION	STATION NAME

74-67

YEARS

MONY

PAGE : ~~1202-14~~
HOURS : 10-11

[illegible]

GLOBAL CLIMATOLOGY BRANCH
C/AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7726	MOGHEE TYSON AIRPORT TN
STATION	STATION NAME

٤-٨

YEARS

FF
MONITOR

PAGE - 1-2-14
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
11																								
9																								
7																								
5																								
3																								
1																								
TOTAL	.816.320.919.115.513.4 5.2 4.7 1.9 .8 .1 .1																		-96	846	846	845		

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3200333	49523	58.518	987	846	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1915979	38955	46.012	725	846		10.2	4.7	.9			54
Wet Bulb	1426644	33634	39.810	290	846		21.3					84
Dew Point	948150	26236	31.012	617	846		47.2					84

YEARS

77 25	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-63

152
MONTH

PAGE 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
14/ 13																										
13/ 11																										
12/ 9																										
11/ 7																										
10/ 5																										
9/ 3																										
8/ 1																										
TOTAL	.4	14.	14.	116.	114.	714.	310.	4	6.	6.	5.	2.	.0	.1	.2	.1			844	844	844					

Element (X)	Σ x'	Σ x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2772589	45085	53.420	766	844	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2144642	41274	48.992	237	844		6.0	8.2	1.5	.3		84
Wet Bulb	1520482	34830	41.210	977	844		17.8					84
Dew Point	944607	26033	30.812	962	844		48.1					84

GLOBAL CLIMATOLOGY BRANCH
NAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-2251	MOGHEE LYSON AIRPORT IN
STATION	STATION NAME

74-63

YEARS

FFD
MONTH

PAGE : 1-20-200
HOURS 1.5.1

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE /MAC

PSYCHROMETRIC SUMMARY

70426	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-87

YEARS

FEB
MONTH

PAGE 2 157C-2220
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
7																						17
6																						7
5																						4
TOTAL	2.1	3.2	4.1	0.1	0.6	0.7	0.7	0.0	0.0	0.5	0.5	0.1							246		846	
																			246		846	

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722240 MCGHEE TYSSEN AIRPORT TN
STATION STATION NAME

74-80

YEARS

FEB
MONTH

PAGE 1 2100-2700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
70/ 71																		2	2						
70/ 69																		1	1						
69/ 67																		1	1						
66/ 65																		5	5						
64/ 63																		7	7						
62/ 61																		9	9						
61/ 59																		18	18						
58/ 57																		24	24	12					
56/ 55																		44	44	24					
54/ 53																		54	54	30					
52/ 51																		70	70	37					
50/ 49																		74	74	24					
48/ 47																		73	73	15					
46/ 45																		35	35	14					
44/ 43																		72	72	31					
42/ 41																		64	64	32					
40/ 39																		74	74	23					
38/ 37																		73	70	22					
36/ 35																		55	54	58					
34/ 33																		65	65	45					
32/ 31																		56	56	61					
30/ 29																		45	45	63					
28/ 27																		29	29	45					
26/ 25																		16	16	49					
24/ 23																		11	11	36					
22/ 21																		16	16	44					
20/ 19																		11	11	64					
18/ 17																		4	4	24					
16/ 15																		2	2	16					
14/ 13																		3	3	24					
12/ 11																				12					
10/ 9																		1	1	13					
8/ 7																				13					
6/ 5																				2					
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ						
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									
Mean No. of Hours with Temperature																									
		≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY FRANCH
LIAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72226	POGHEE TYSON AIRPORT TN
STATION	STATION NAME

4-6

YEARS

5 FEB
MONTH

545

21 0-2700
HOURS (L. S. T.)

[illegible]

122241	MOOREE TISON AIRPORT IN
STATION	STATION NAME

74-47

YEARS

SECRET

PAGE :

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
41/ 83																		1	1																
52/ 81																		1	1																
61/ 79																		2	2																
78/ 77																		3	3																
76/ 75																		6	6																
74/ 73																		14	14																
72/ 71																		19	19																
71/ 69																		47	47																
68/ 67																		66	63																
66/ 65																		94	94																
64/ 63																		89	80																
62/ 61																		134	134																
60/ 59																		157	157																
57/ 57																		195	185																
56/ 55																		271	270																
54/ 53																		322	322																
52/ 51																		234	234																
50/ 49																		239	239																
48/ 47																		268	268																
46/ 45																		252	252																
44/ 43																		306	306																
42/ 41																		372	372																
41/ 39																		424	424																
38/ 37																		492	492																
36/ 35																		468	468																
34/ 33																		445	445																
32/ 31																		500	500																
30/ 29																		225	225																
28/ 27																		233	233																
26/ 25																		171	171																
24/ 23																		90	90																
22/ 21																		122	122																
20/ 19																		156	156																
18/ 17																		82	82																
Element (X)	Σ _g ¹		Σ _g		Σ		Σ _g		No. Obs.		Mean No. of Hours with Temperature										Total														
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

STATION	MOGHEE TYSON AIRPORT TN
---------	-------------------------

74-97

YEARS

F E S
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
12/ 15																		47	47	63	2.5														
11/ 13																		20	20	38	2.2														
10/ 11																		7	7	11	2.7														
9/ 9																		4	4	7	1.4														
8/ 7																		7	7	8															
7/ 5																		2	2	4	3.6														
6/ 3																		4	4	4	3.2														
5/ 1																		1	1	1	1.1														
4/ -1																																			
3/ -3																																			
2/ -5																																			
TOTAL	4.2	3.4	4.2	4.4	4.7	4.7	6.2	3.6	2.0	1.2	.5	.5	.0	.0	.0			6763	6763	6763	6763														

Element (X)	Σ ₁	Σ ₂	Σ	σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	33539614	458568	67.819	.09	6763	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	
Dry Bulb	1244842	277712	41.132	.429	6763		172.7	16.0	2.7	.3		672
Wet Bulb	9902475	248167	36.710	.250	6763		254.4					672
Dew Point	7194597	203661	30.132	.529	6763	1.2	306.5					672

USAFETAC FORM 0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
B-1 44

14-23

YEARS

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PAGE 5 ~~SECRET~~

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

72-261	HUGHES TYSON AIRPORT TN
STATION	STATION NAME

74-62

YEARS

P. R. F.
MONTM.

PAGE -

000-000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	4.2	3.1	1.3	.1	1.8	.5	1.1	.2	3.6	1.4	.								930	97	930														
	</																																		

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM

GLOBAL CLIMATOLOGY BRANCH
OSAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

711261	MCGHEE LYSON AIRPORT IN
STATION	STATION NAME

74-83

YEARS

MONTH

PAGE 1

~~23-1-65-0~~
HOURS 1-5-0

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
77/ 69					.4	.6	.1											2	4																
67/ 67			.4	.1	.3	.3	.1	.2										14	14																
66/ 65		.1	.3	.1	.4	.5	.2	.1										10	20																
64/ 63	.3	.1	.3	.3	.2	.2	.2											12	22	13	3														
62/ 61		.3	.1	.5	.2	.2												16	16	10	6														
61/ 59	1.1	.4	.1	.1	.2	.3												24	24	24	16														
57/ 57	.3	.3	.5		.4	.4	.1											36	36	25	14														
55/ 55	.4	.2	.4	.9	.8	.1	.2											44	44	45	24														
54/ 53	.6	1.6	.9	.9	.2	.3	.2											51	51	45	45														
52/ 51	.1	.2	1.1	.1	.3	1.2	.2											54	54	38	36														
50/ 49	.1	.2	.2	1.0	.4													54	54	38	37														
48/ 47	.1		1.1	.6	.4	.1												32	32	53	17														
46/ 45	.8	1.3	2.2	1.1	.3	.2												32	32	61	49														
44/ 43	.5	.2	1.3	.8	.1													47	47	60	62														
42/ 41	.8	.5	2.7	1.3														67	67	61	51														
41/ 39	.4	.2	3.3	.5		.1												67	67	51	58														
38/ 37	.4	3.1	2.	1.2	.4													67	67	73	57														
36/ 35	.2	2.5	2.2	.5														50	50	66	52														
34/ 33	.9	1.4	2.	.3	.2													45	45	49	59														
32/ 31	.1	.2	2.2	.3														51	51	51	67														
31/ 29	.1	1.6	1.4															29	29	53	54														
28/ 27		.9	.4															12	12	33	35														
26/ 25	.2	.6	.2															10	10	27	51														
24/ 23		.2																2	2	4	29														
22/ 21		.5																5	5	6	25														
20/ 19		.5																5	5	21	23														
18/ 17		.3																3	3	6	13														
16/ 15																				2	8														
14/ 13																					6														
12/ 11																					7														
10/ 9		.1																1	1		1														
8/ 7		.2																2	2	2															
6/ 5																																			

7076	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-63

YEARS

4 A
MONTH

PAGE

0302-1540
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	7.74	5.52	7.81	1.2	0.2	3.3	0.2	0.2										93.0	93.0	93.0	93.0														

Element (X)	ΣH^1	ΣH	Σ	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5702549	71517	76.9	14.778	93	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	93
Dry Bulb	1983732	4173	44.9	20.09	93		12.0	2.3				93
Wet Bulb	1709280	38728	41.6	10.193	93		19.2					93
Dew Point	1438432	34976	37.6	11.508	93	.1	32.8					93

JSAFETAC FORM 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

5

207262	MCGHEE TYSAN AIRPORT IN
STATION	STATION NAME

YEARS

MONTH

PAGE 1

~~HOURS 11.3.19~~

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USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
C/ESTAC
A.F. WEATHER SERVICE /MAC

PSYCHROMETRIC SUMMARY

1276	MCGEE TOWN AIRPORT TN
STATION	STATION NAME

74-83

YEARS

1953
MONTH

PAGE 2

800-291-7
HOURS (L. S. T.)

[illegible]

2

DISTAL CLIMATOLOGY BRANCH
 AFMSTAC
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION NAME: MCNEEL TAYLOR AIRPORT IN
 STATION NAME

74-82

YEARS

MONTH

PAGE 1
 05-11-82
 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74																																			
75																																			
76																																			
77																																			
78																																			
79																																			
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98																																			
99																																			
100																																			

Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4615518	63618	68.416	546	93							
Dry Bulb	242385	46428	49.907	668	93		3.4	6.6	5			93
Wet Bulb	1969737	41806	45.0	9.367	93		8.9	4				93
Dew Point	1557052	36440	39.211	798	930		28.7					93

USAFETAC FORM 0-26-5 (OL A) RE-150 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

PSYCHROMETRIC SUMMARY

STATION 722280 MCGHEE TYSON AIRPORT TN
STATION NAME

74-87

YEARS

M F
MONTHPAGE 1 1977-1978
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
11																																			
5																																			
7																																			
5																																			
3																																			
TOTAL	.613.113.412.413.514.112.612.6.7.2.7.4																	930	97	93															

Element (X)	Σ X ²	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3354714	52796	56.8	0.617	930							
Dry Bulb	1113443	52681	56.6	1.796	930		2.0	23.5	8.2	.2		93
Wet Bulb	2283626	45142	48.5	0.975	930		3.7	1.3				93
Dew Point	1629914	37160	40.0	12.498	930		28.7	.3				93

GLOBAL CLIMATOLOGY BRANCH
CAFETAC
ATTN: WEATHER SERVICE/MAC

7-326	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-57

YEARS

425
MONTH

PAGE 2 1540-1200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
47 12																						4		
47 11																						4		
47 9																						1		
47 8																						1		
47 3																						1		
47 1																						1		
TOTAL	.611.9 9.1 9.1 18.6 13.0 11.3 12.6 5.2 3.1																				930 930 930			

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2937590	48338	52.3	21.393	930	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3370241	54907	59.0	11.763	930		1.2	29.6	13.3	1.4		93
Wet Bulb	2357654	45076	49.4	9.552	930		2.7	1.7				93
Dew Point	1587043	36577	39.3	12.642	930		30.7	.3				93

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

24-62

YEARS

PAGE 1 ~~1-20-2000~~
HOURS 11.5.00

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0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-326	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-82

YEARS

MR
MONTH

PAGE 2 14-0-2262
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
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22																					
23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
TOTAL																					

Element (X)	Σ x ²	Σ x	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3927047	53067	57.120	688	930	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 92 F	
Dry Bulb	2942126	51314	55.210	921	930		1.8	15.5	3.1			93
Wet Bulb	2173198	44072	47.4	9546	930		5.7	.7				93
Dew Point	1534883	35933	38.612	558	930	.2	30.8	.2				93

JSAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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2

74-62

YEARS

MAS
MONTH

~~21-2-23-C~~
HOURS (L. S. T.)

FORM
NO. 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
DRAFETAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

72726	MCGBEE TYSON AIRPORT TN
STATION	STATION NAME

72-57

YEARS

4 A 2
MONTH

PAGE 2 2129-2710
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	4.31	2.32	1.22	1.31	0.71	0.5	4.	1.										930	930	930	930	

Element (X)	Σ x'	Σ x	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4396782	61934	66.617.119		930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2436796	46606	50.110.436		930		3.3	4.7	.1			93
Wet Bulb	1955358	41682	44.89.688		930		11.3	.3				93
Dew Point	1517981	35937	38.611.798		930	.3	29.5					93

PSYCHROMETRIC SUMMARY

4-62

YEARS

MONTH

221.

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PSYCHROMETRIC SUMMARY

7-326	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-87

YEARS

4.25
MONTH

Page 10

221
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
14 / 13		•																2	2	3	49																
13 / 11		•																2	2	3	43																
12 / 9		•																2	2	3	36																
11 / 7		•																2	2	2	28																
10 / 5		•																1	1	2	20																
9 / 3																		2	2	2	12																
8 / 1																					4																
7 / -1																					0																
6 / -3																					0																
TOTAL	3.724	7.21	9.14	4.12		5.7	6.1	4.1	3.1	1.2								7440	7440	7440																	

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	35602729	492769	66.210066	7440		± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	20333667	377569	57.8120171	7440			48.7	86.0	25.2	1.6		744
Wet Bulb	15916902	335488	45.1170298	7440			87.7	4.7				744
Dew Point	12167909	287283	38.612021	7440		1.3	245.9	.8				744

PSYCHROMETRIC SUMMARY

STATION	MOORE TYSON AIRPORT TA
STATION NAME	

4-7-

YEARS

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45:

32-25-
MAY 1965

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CLINICAL CLIMATOLOGY BRANCH
USAFETAC
AIR FORCE STATISTICAL SERVICE/AMC

PSYCHROMETRIC SUMMARY

STATION NAME: MCGRATH AIRPORT IN 74-07 YEARS: MONTH: HOURS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL D.B.-W.B. Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
71																				
69																				
67																				
65																				
63																				
61																				
59																				
57																				
55																				
53																				
51																				
49																				
47																				
45																				
43																				
41																				
39																				
37																				
35																				
33																				
31																				
29																				
27																				
25																				
23																				
21																				
19																				
17																				
TOTAL	6.4	38.4	31.9	13.4	6.9	2.4	.7	.1	.1									900	900	

Element	X ₁	X ₂	X ₃	X ₄	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5872869	71335	79.3	2.964	900	10 F	132 F	67 F	73 F	80 F	93 F	
Dry Bulb	2430030	46100	51.1	9.369	900		1.7	3.9				
Wet Bulb	2136485	43113	47.9	9.25	900		3.9	.1				
Dew Point	1084802	40154	44.6	10.188	900		11.2					

USAFETAC FORM 0-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

2

Phosphorus

74-62

YEARS

MONTH

1000

9-14
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

AIRMAIL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700000 HOGHEE TYSON AIRPORT TN
STATION STATION NAME

74-87

YEARS

MONTH

12 1947
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
10																																				
11																																				
12																																				
TOTAL	1	7.3	7.5	6.3	2.6	10.6	17.8	13.1	11.2	4.2	3.1	1.7						97.0	97.0	97.0	97.0															

Element (X)	Z ₁	Z ₂	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2697644	46162	51.3	19.158	900							
Dry Bulb	4045023	59687	66.3	9.817	900			47.5	26.6	7.3		90
Wet Bulb	2845420	50044	55.6	8.355	900		.1	7.5				90
Dew Point	2039494	41528	46.1	1.711	900		12.4	.3				90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAE

PSYCHROMETRIC SUMMARY

70136	MOORE TAYSON AIRPORT TN
STATION	STATION NAME

74-27

YEARS

_____ P. _____
MONTH _____

PAGE 7 15-0-176
HOURS (1, 5, 7)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77 / 16																																			
77 / 17																																			
77 / 18																																			
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77 / 52																																			

PSYCHROMETRIC SUMMARY

74-63

YEARS

~~ALL~~
MONTH

PAGE 1 ~~1000-2000~~
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

75326	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-83

YEARS

ADD
MONTH

PAGE 7 100-200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1- / 17																																				
2- / 18																																				
3- / 19																																				
4- / 21																																				
TOTAL	.5	7.41	10.2	2.0	12.1	13.0	13.6	11.8	6.6	4.7	.9							906		900	900															

PSYCHROMETRIC SUMMARY

74-82

YEARS

20 MONTH

PAGE 22-23-0

[illegible]

0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

7. 26 MOBILE TYSON AIRPORT TN
STATION STATION NAME

74-67

YEARS

AD
MONTH

PAGE 2

ALL
HOURS 11-5-7-11

[illegible]

GLOBAL CLIMATOLOGY BRANCH
CRAFETAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

TIME	0600
STATION	WEGHEE LYON AIRPORT IN
	STATION NAME

253

YEARS

Monte

PAGE 2

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
16 / 16																							71.8	71.8								
16 / 17																																
16 / 18																																
16 / 19																																
16 / 20																																
16 / 21																																
16 / 22																																
16 / 23																																
16 / 24																																
16 / 25																																
16 / 26																																
16 / 27																																
16 / 28																																
16 / 29																																
16 / 30																																
16 / 31																																
TOTAL	2.0	1.0	3.1	7.0	11.0	12.0	9.7	8.0	4.0	5.3	3.4	2.2	0.5	0.2	0.0			71.8	71.8													

GLOBAL CLIMATOLOGY BRANCH
CLIMATE
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-176	MOORE TOWN AIRPORT TA
STATION	STATION NAME

74-27

YEARS

1.25
MONTH

000000

1000-5000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
METEOR
AIR WEATHER SERVICE/ABC

PSYCHROMETRIC SUMMARY

TIME	MOORE TYSON AIRPORT TN
STATION	STATION NAME

— 2 —

YEARS

_____ MONTH

PAGE 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 75		.2			.3	.0												6																	
72/ 71		.1			.5		.1											6																	
70/ 69	.1	2.3	1.1		.5	.1	.2											39	79																
68/ 67	1.4	4.9	1.9		.2	.2	.1	.1										43	81	81	84														
66/ 65	2.8	7.3	2.7		.4	.1												105	115	94	61														
64/ 62	4.1	6.2		.8	.2	.1	.1											108	108	129	110														
62/ 61	4.	6.5	.9	.4	.3	.1												113	113	110	111														
60/ 59	3.7	3.5	1.0		.3	.2	.1											76	86	88	101														
58/ 57	1.3	3.1	1.2		.5	.7	.1											0	67	61	64														
56/ 55	1.5	3.8	2.4		.9	.3												42	42	63	61														
54/ 53	.6	2.5	1.8		.6													43	63	69	48														
52/ 51	.4	2.4	1.7		.3													46	46	52	52														
50/ 49	.3	2.9	1.4		.2	.1												46	47	64	53														
48/ 47	.5	2.3	.5		.2	.1												34	34	51	48														
46/ 45	.2	1.9	.2		.2													10	50	61	45														
44/ 43	.1	1.2	.3		.2													17	37	25	34														
42/ 41	.2	.4	.2															8	4	19	27														
40/ 39	.3		.1															4	4	10	27														
38/ 37	.2																		"	4	9														
36/ 35																					1														
34/ 34																																			
32/ 29																																			
TOTAL	21.949	6.18	7	6.3	7.1	1.7	.3											530	537	930	931														

Element (X)	Σx'	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7465336	82691	88.911	.31	937	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	3290912	54912	59.2	7.197	937			17.8	.6			43
Wet Bulb	3089239	53108	57.1	7.444	937			5.1				43
Dew Point	2046407	51763	55.7	8.301	937			4.1				43

MOORE TILSON AIRPORT, TN
STATION NAME

‘ 4 - 4 ’

YEARS

MONTH

DATE: 1-2-68
HOURS: 11:50 A.M.

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 44

7-11-64 MOBILE LYNN AIRPORT TN
STATION

1. 2. 3.

YEARS

100%

10

Model	1
Model	1

JSAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR STATISTICS SERVICE /MBC

PSYCHROMETRIC SUMMARY

STATION: MOORE TISON AIRPORT IL STATION NAME: YEARS: DAY: MONTH: PAGE 1 1500-1700 HOURS (L. S. T.)

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL	TOTAL
																		D.B./W.B.	Dry Bulb Wet Bulb Dew Point
1/ 35																		19	12
2/ 45																		67	57
3/ 53																		75	75
4/ 61																		80	80
5/ 70																		86	86
6/ 77																		137	137
7/ 75																		79	79
8/ 73																		81	81
9/ 71																		67	67
10/ 69																		74	74
11/ 67																		80	80
12/ 65																		38	38
13/ 63																		21	21
14/ 61																		14	14
15/ 59																		9	9
16/ 57																		9	9
17/ 55																		10	10
18/ 53																		4	4
19/ 51																		6	6
20/ 49																		3	3
21/ 47																			
22/ 45																			
23/ 43																			
24/ 41																			
25/ 39																			
26/ 37																			
27/ 35																			
28/ 33																			
29/ 31																			
30/ 29																			
31/ 27																			
TOTAL																		73	73
Element (X)	Zx'	Zx	X	Fx	No. Obs.	Mean No. of Hours with Temperature										Total			
Rel. Hum.	335500	53072	57.1	8.743	930	x 0 F	x 32 F	x 67 F	x 73 F	x 80 F	x 93 F								
Dry Bulb	5315644	69960	75.2	7.542	930						81.6	62.5	29.1				43		
Wet Bulb	3918163	60277	64.6	6.334	930						42.4	6.5					93		
Dew Point	3166176	53556	57.6	9.397	930						13.9	8					63		

FORM 0-26-5 (OLA) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JAN 64

CLIMATE CLIMATOLOGY BRANCH
METEOR
AIR WEATHER SERVICE/MNAC

PSYCHROMETRIC SUMMARY

TIME	MOBILE TROOP AIRPORT IN
STATION	STATION NAME

$$-1, -\frac{1}{2}, \dots$$

YEARS

24 A V
MONTH

PAGE 1

18-2-2021

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
57/ 57																		14	14																
57/ 55																		19	19																
57/ 53																		24	24																
57/ 51																		29	29																
57/ 49																		34	34																
57/ 47																		39	39																
57/ 45																		44	44																
57/ 43																		49	49																
57/ 41																		54	54																
57/ 39																		59	59																
57/ 37																		64	64																
57/ 35																		69	69																
57/ 33																		74	74																
57/ 31																		79	79																
57/ 29																		84	84																
57/ 27																		89	89																
57/ 25																		94	94																
TOTAL																		970	930	530	920														

Element (X)	Σx'	Σx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4222972	65138	64.7	18.966	937	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Dry Bulb	4761231	66221	71.2	7.17	937						93	
Wet Bulb	3739571	58677	63.1	6.348	937						93	
Dew Point	3157839	53509	57.5	9.228	937						93	

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

STATION	MEGHEE LYSON AIRPORT IN
---------	-------------------------

74-62

YEARS

MONTH

PAGE 1 ~~2100-2100~~
HOURS 11.1.10

[illegible]

GLOBAL CLIMATOLOGY BRANCH
C/ASSTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7006	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

4-23

YEARS

• • •

MONTH

511

411

HOURS (L, S, T.)

[illegible]

0-26-5 (11A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

702241	MOORE TISON AIRPORT IN
STATION	STATION NAME

تمت

YEARS

DAY
MONTH

PAGE 1

HOURS (C. S. T.)

Temp. (F)		WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
		0	1-2	3-4	5-6	7-8	9-10	11-	12	13-	14	15-	16	17-	18	19-	20	21-	22	23-	24	25-	26	27-	28	29-	30	= 31	Dry Bulb	Wet Bulb	Dew Point				
TOTAL		7.2	26.5	17.5	11.4	9.0	8.2	7.6	5.5	4.0	1.7	.7	.1	.1															7438.	7435	7435				
																							</												

GLOBAL CLIMATOLOGY BRANCH
HAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70726	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-27

YEARS

22
MONTH

PAGE

NOV 11 5 31

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
70 / 75			.1	.1	.2	.3	.1											4	4						
70 / 77		.4	1.1	.7	.1	.3	.1											25	25						
76 / 75		1.0	1.6	1.2	.2													79	38	7	2				
74 / 73	.2	2.7	5.1	1.8	.3													41	21	26	13				
72 / 71	1.3	5.7	5.7	2.4	1.0	.1												134	134	64	56				
70 / 69	4.1	10.3	5.1	1.1		.1	.1											1.8	188	176	132				
68 / 67	2.7	5.7	3.6	1.1	.5	.2												119	119	162	168				
66 / 65	2.2	3.2	3.3	1.6	.7	.1	.7											96	98	106	142				
64 / 63	.8	3.7	1.6	1.6	.6	.1												79	79	97	77				
62 / 61	1.0	2.2	1.8	1.0	.7													57	57	67	61				
60 / 59	.3	1.3	1.6	.4		.1												34	34	57	64				
58 / 57		.2	1.1	.4	.1													17	17	43	40				
56 / 55		.3	.1	.1	.1													6	6	27	44				
54 / 53		.2	.2															5	5	19	20				
52 / 51		.3		.1														4	4	9	33				
50 / 49		.1																1	1	2	13				
48 / 47																				1	12				
46 / 45																					8				
44 / 42																					2				
42 / 41																					4				
TOTAL	12.73	6.23	1.4	1.4	3.0	1.4	.4											920	900	900	900				

Element (X)	Σx'	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6756252	77400	86.7	10.539	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4198791	61313	64.1	4.925	900			59.9	15.8			90
Wet Bulb	3865767	58795	65.3	5.254	900			46.7	4.3			90
Dew Point	3684324	57310	63.7	6.235	900			37.1	1.5			90

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
LHAFTAC
AIR FATHIN SERVICE/MAC

PSYCHROMETRIC SUMMARY

72726 McGHEE IYSEN AIRPORT IN
STATION STATION NAME

4-6

YEARS

MONTH

PAGE 1

~~23-10-05-01~~
HOURS (L, S, T)

[illegible]

YEARS

72725	MC GHEE LYNN AIRPORT IN.
STATION	STATION NAME

4-57

Mont

PAGE 1

10-18
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
70/ 91																		1	1																
70/ 79				.4		.2		.1										7	7																
70/ 77			.3	1.3		.3		.1										26	26																
70/ 75			.9	1.8		.9		.1										30	30																
70/ 73			2.2	2.9		1.2		.2										61	61	27															
70/ 71	.9	5.3	4.2	1.1		.1												105	105	66															
70/ 69	3.0	6.8	4.2	1.1		.3												157	157	142															
65/ 67	4.1	8.4	4.4		.9			.1										162	162	169															
65/ 65	1.2	6.0	2.4		.9		.1											96	96	131															
65/ 63	1.1	3.9	2.3		.9		.2											61	61	86															
62/ 61	1.2	2.6	1.6		.3													53	53	70															
62/ 59	.9	2.1	1.5		.6													47	47	59															
62/ 57	1.1	1.3	1.3		.1		.1											36	36	49															
62/ 55	.4	.7	.6		.2													17	17	43															
62/ 53		1.0	.4															13	13	24															
62/ 51		.1	.2															3	3	11															
62/ 49	.1	.2	.1															4	4	6															
62/ 47		.1																1	1	5															
62/ 45																				1															
62/ 43																																			
62/ 41																																			
TOTAL	14.144	29.4	8.5	2.6	.9	.1	.1											900	970	900															

Element (X)	Σ X'	Σ X	X	X _u	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7017141	79217	87.8	9.916	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	4075965	60365	67.1	5.996	900			59.9	12.5	.3		900
Wet Bulb	3793509	58223	64.7	5.979	900			40.5	3.4			900
Dew Point	3636684	56948	63.3	6.083	900			32.9	1.4			900

USAFETAC FORM
AIR 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
METAC
ATMOSPHERIC SERVICE/NEAC

PSYCHROMETRIC SUMMARY

221244	MOOGHEE LYNN AIRPORT IN
STATION	STATION NAME

4-83

YEARS

MONT

PAGE 1 600-196
HOURS (11:51)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
JSTSTAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

7 726	MCGHEE TAYSON AIRPORT TN
STATION	STATION NAME

-4-57

YEARS

MONTA

-A-2

100-2-14-2
MOHS 11 5 8

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
67/ 65																		1	1																
67/ 62																		2	5																
67/ 61																		4	0																
67/ 60																		7	5																
67/ 57																		25	16																
67/ 65																		57	37																
67/ 62																		127	127																
67/ 62																		140	140																
67/ 61																		155	156	2															
67/ 75																		155	155	17															
73/ 77																		58	58	54	41														
67/ 75																		68	68	116	24														
74/ 73																		49	49	197	63														
77/ 71																		37	37	135	110														
67/ 69																		10	10	158	150														
67/ 67																		7	7	54	151														
66/ 65																		5	5	59	76														
64/ 63																		2	2	52	73														
62/ 61																		1	1	23	43														
67/ 59																																			
64/ 57																																			
67/ 55																																			
64/ 53																																			
62/ 51																																			
67/ 49																																			
67/ 47																																			
64/ 43																																			
62/ 41																																			
67/ 39																																			
64/ 37																																			
67/ 35																																			
64/ 33																																			
TOTAL	.3	3.3	3.2	9.7	14.0	22.4	18.4	16.8	5.9	2.7	2.1	.6						809	809	859															

Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3449856	54338	60.4	13.576	899							
Dry Bulb	5892767	72673	87.7	5.223	899			89.2	83.6	58.1	.6	90
Wet Bulb	4505952	63484	77.6	5.750	899			72.4	38.6	1.2		90
Dew Point	3868280	58604	65.2	7.311	899			49.2	9.8			90

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION NAME: NQRRHE TROOP AIRPORT TA
STATION NAME

YEARS

MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.W.B.	Dry Bulb	Wet Bulb	Dew Point
17/ 65																																	4	4		
16/ 63																																	4	4		
15/ 61																																	12	12		
14/ 59																																	52	52		
13/ 57																																	63	63		
12/ 55																																	101	101		
11/ 53																																	126	126		
10/ 51																																	114	114		
9/ 49																																	96	96		
8/ 47																																	71	71		
7/ 45																																	46	46	172	13
6/ 43																																	42	42	144	43
5/ 41																																	37	37	159	100
4/ 39																																	32	32	159	100
3/ 37																																	24	24	124	100
2/ 35																																	14	14	6	114
1/ 33																																	6	6	22	104
TOTAL																																	899	899		
																																899		899		
Element (X)	Z ₁	Z ₂	I	%	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.	2145360	51460	57.2	5.463	899	± 0 F	± 32 F	± 47 F	± 73 F	± 80 F	± 93 F	Total																								
Dry Bulb	46329	73555	81.8	5.599	899			85.2	83.3	62.9	.8	8.1																								
Wet Bulb	4488693	63369	72.5	4.240	899			71.2	35.3	.9		8.1																								
Dew Point	3772975	57449	68.3	7.499	899			43.5	6.8			8.1																								

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

YEARS

STATION	REC'DE TYSON AIRPORT TN
STATION NAME	

٢٤٠

YEARS

MONTH

HOURS 1 5 9

[illegible]

USAFETAC FORM 026-5 (OLA)

7-14- STATION	MOBILE INDEX	AIRPORT IN STATION NAME
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
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28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

YEARS

1999

USAFETAC
FORM 04
0.26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

STATION NAME

12-0000

YEARS

MONTH

• • •

214

HOURS 11.1

[illegible]

0.205 (0.2 A) at 25°C. $\mu_{\text{eff}} = 1.5$ Bohr magnetons per Cu²⁺ ion.

▲ ● ◆

GLOBAL CLIMATOLOGY BRANCH
 7-1402AC
 AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

711461	MOBILE LYON AIRPORT IN
STATION	STATION NAME

44-38861-10

YEARS

MONTH

PAGE 1 ~~CONFIDENTIAL~~
HOURS (L. S. T.)

[illegible]

CENTRAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-24	MOBILE LYNN ALBERTA
STATION	STATION NAME

2-4-7

YEARS

MONTH

141

HOURS 11 3 7

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 4-75

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
UNAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12252	MCGHEE LYSON AIRPORT IN
STATION	STATION NAME

4-5-

VE ARE

MONTH 14

120-146
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AFW WEATHER SERVICE /MAC

PSYCHROMETRIC SUMMARY

7-26	LOGHLE TYSON AIRPORT TN
STATION	STATION NAME

74-86

YFARS

JUL
MONTH

PAGE 1 154-1720
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77/69																		7	7																
76/ 97																		3	7																
76/ 95																		36	38																
74/ 97																		46	48																
72/ 91																		71	71																
70/ 89																		134	134																
67/ 87																		141	141																
66/ 95																		136	138																
64/ 63																		1	1																
61/ 61																		58	58																
77/ 77																		48	48																
77/ 75																		28	28	173	0														
74/ 73																		39	39	246	19														
72/ 71																		35	35	236	102														
70/ 69																		25	25	154	172														
66/ 67																		13	13	72	213														
66/ 65																				46	156														
64/ 63																				17	175														
62/ 61																				3	59														
59/ 59																					24														
57/ 57																					15														
55/ 55																					1														
54/ 53																					5														
52/ 51																					2														
TOTAL	4	4	6	6	5	5	7	6	4	10	4	12	2	20	15	4	9	9	4	1	1	2													
																		930		930	930														

Element (X)	Σx'	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7364.223	54197	58.3	14.377	93	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	67985.1	79209	85.3	6.151	93			93.0	89.2	77.2	9.2	93
Wet Bulb	50478.25	68453	73.6	3.167	93			90.9	63.1	1.1		93
Dew Point	43433.77	63425	68.2	4.385	93			66.5	12.7			93

GLOBAL CLIMATOLOGY BRANCH
CMAPETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72326C	MCGHEE TYSON AIRPORT IN
STATION	STATION NAME

74-87

YEARS

~~SECRET~~

PAGE 3

[illegible]

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AND WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73076	MOBILE T-SON AIRPORT TN
STATION	STATION NAME

74-57

YEARS

DATE

21-23
HOURS 11-5 P.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
67/69																		1	1													
67/67																		2	2													
67/65					.7	1.1												19	19													
67/63				.6	1.0	.8	.1	.3	.3									27	27													
67/61				.5	1.0	2.7	1.4	.8	.1									61	61													
67/59		.2	2.7	5.4	3.4	2.7	.7	.1										176	176													
67/57		.4	4.4	5.9	2.6	1.3	.1	.2										139	139													
67/55		3.5	6.5	4.2	3.4	.9	.2											163	167	93	99											
67/53	.1	7.8	5.6	3.7	.9	.3	.1											144	164	213	91											
67/51	.5	7.4	3.3	1.4	.5	.1												128	125	239	715											
67/49	1.0	2.4	1.3	.6	.4		.1											54	54	203	235											
67/47		.5	1.7	.4	.2													70	27	93	158											
67/45	.3	.5	.2															70	19	47	68											
67/43			.1															1	1	20	67											
67/41	.1																	1	1	5	42											
67/39																				2	15											
67/37																					11											
67/35																					6											
67/33																					1											
67/31																					1											
TOTAL	2.221	6.25	3.23	3.16	.9	7.6	1.7	1.7	.3									930		930	930											

Element (X)	Σx^1	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5944250	73596	79.1	11.375	930							
Dry Bulb	5358279	70483	75.8	4.215	930			91.8	71.9	18.0		93
Wet Bulb	4700299	66749	71.9	3.193	930			84.6	32.1			93
Dew Point	4396717	63843	68.6	3.882	930			75.1	11.2			93

GLOBAL CLIMATOLOGY BRANCH
HAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

71201 MCGHEE LYSCON AIRPORT TN
STATION STATION NAME

74-87

YEARS

MONTM

DATE

HOURS 11 5 1

Temp. (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7	.09																																			
13	.97																																			
19	.95															.1	.4	.1	.1	.7	.7															
24	.93															.2	.7	.2	.1																	
30	.91															.3	.7	.4	.1																	
36	.89															.2	1.0	1.0	.8	.4	.2	.2														
42	.87															.1	1.7	1.7	.7	.5	.1	.5														
48	.85															.1	2.6	1.7	1.4	.5	.1	.1	.1													
54	.83															.1	3.5	2.0	1.3	1.0	.7	.3	.1													
60	.81															.2	4.4	2.4	1.1	.9	.2	.2	.2													
66	.79															.1	5.3	3.1	1.3	.7	.1	.1														
72	.77															.3	6.2	3.4	1.4	.6	.2	.1														
78	.75															.2	7.1	4.1	2.0	.7	.1															
84	.73															.2	8.0	3.3	1.8	.4	.1															
90	.71															1.0	8.6	2.0	1.1	.7	.1															
96	.69															1.9	9.4	2.0	.4	.2																
102	.67															.6	1.9	1.0	.3	.1																
108	.65															.3	1.3	.4	.1																	
114	.63																																			

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 01-28-2001 BY 60322 UCBAW

PSYCHROMETRIC SUMMARY

7-1111 MOBILE 1-001-1111 STATION NAME TA 14-00 YEARS 1-00 MONTH

HOURS 11.5.7

[illegible]

YEARS _____ MONTH _____

HOURS _____

MOBILE TOWN AIRPORT TN
STATION NAME

[illegible]

GENERAL CLIMATOLOGY: MARCH
 1955
 AIR WEATHER SERVICE/AFM

PSYCHROMETRIC SUMMARY

STATION NAME

11 APR 5

MONTH

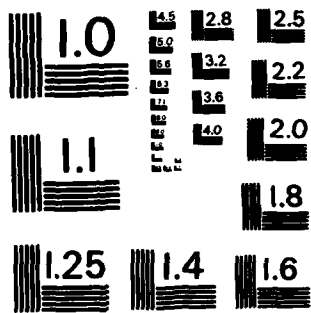
NO. 100

[illegible]

AD-A140 245

95
MCGHEE-TYSON AIRPORT TENNESSEE REVISED UNIFORM SUMMARY
OF SURFACE WEATHER (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A... 30 JAN 84
UNCLASSIFIED USAFETAC/DS-84/006 SBI-AD-E850 814 F/O 4/2 NL

END
DATE
FILED
6 84
DTIC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723260	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

74-83

YEARS

AUC
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

2

74-23

YEARS

AUG
MONTH

HOURS (L, S, T.)

USAFETAC
FORM
FAA 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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74-87

YEARS

AUG

PAGE 1 ~~21CG-23-0~~

USAFETYAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

5 FEB
MONTH

PAGE 1 ~~CONFIDENTIAL~~
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[illegible]

2

73-82

YEARS

~~SECRET~~

PAGE 1 ~~0670-0800~~
~~MOBILE 1-1-7~~

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

723260 MCGHEE TYSON AIRPORT IN
STATION STATION NAME

73-82

YEARS

SEP
MONTH

PAGE 1 ~~120-1450~~
~~HOURS (C.I.F.)~~

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7226
STATION

MCGHEE TYSON AIRPORT TN
STATION NAME

73-87
YEARS

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point						
95																						7	7			
93																						5	5			
91																						23	23			
89																						36	36			
87																						51	51			
85																						89	89			
83																						93	93			
81																						112	112			
79																						104	104			
77																						77	77	15	1	
75																						60	60	97	3	
73																						65	65	154	23	
71																						54	54	119	96	
69																						35	35	127	112	
67																						36	36	117	110	
65																						13	13	75	93	
63																						17	17	59	79	
61																						8	8	33	73	
59																						7	7	29	76	
57																						5	5	36	76	
55																						4	4	30	41	
53																								6	25	
51																								3	21	
49																									2	
47																									14	
45																									16	
43																									9	
41																									8	
39																									6	
37																									1	
TOTAL	1.0	6.7	7.4	7.1	11.6	12.2	14.7	16.2	12.4	3.9	2.0	1.4	.4									900	900	900		
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	3483375		53867		59.9		16.984		900		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total			
Dry Bulb	5645887		70967		78.9		7.456		900						84.6		72.1		47.1		1.2		93			
Wet Bulb	4256457		61687		68.5		5.617		900						62.9		26.6						90			
Dew Point	3590748		56444		62.7		7.519		900						34.3		2.7						90			

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72726 MCGHEE TYSON AIRPORT IN

STATION STATION NAME

1-2-82

YEARS

MON T H

PAGE 1 ~~1-2-50~~
HOURS 11.30

[illegible]

GLOBAL CLIMATOLOGY BRANCH
LAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

77226	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

73-87

YEARS

SEP
MONTH

PAGE * 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
AUG 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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4

73-67

YEARS

~~SECRET~~

PAGE

AL
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

77.125	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

73-82

YEARS

GC
MONTH

PAGE 1 0000-0200
HOURS (H. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
77/ 77		.1	.1																					
76/ 75																								
74/ 73		.1																						
72/ 71		.4	.2			.2																		
70/ 69		.6	.3	.2	.1	.3																		
68/ 67	.3	1.4	1.2	.2	.1	.4																		
66/ 65	.9	1.1	1.1	.5	.3	.1																		
64/ 63	.5	3.6	.8	.2	.1																			
62/ 61	1.7	2.7	.6																					
60/ 59	1.6	3.1	1.2	.8																				
58/ 57	1.8	5.5	1.5	.5																				
56/ 55	1.5	4.5	2.0	.2	.2	.3																		
54/ 53	1.4	2.3	2.4	1.7	.4	.1																		
52/ 51	.4	3.1	2.5	1.1	.2																			
50/ 49	.6	3.8	3.3	1.0	.2																			
48/ 47	.6	3.8	2.3	.6	.2																			
46/ 45	.7	3.8	1.7	.5																				
44/ 43	.1	3.7	1.8	.9																				
42/ 41		2.7	1.9	.3																				
40/ 39	.1	1.6	1.9	.2																				
38/ 37	.2	1.0	1.0	.1																				
36/ 35		.2	.1																					
34/ 33																								
32/ 31		.3																						
30/ 29																								
28/ 27																								
26/ 25																								
TOTAL	11.4	46.8	28.2	8.4	1.9	1.5												930	930	930				
																</								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-11-64
STATION

MOGHEE INSON AIRPORT IN
STATION NAME

22-62

YEARS

OCI
MONTH

PAGE * 310-2500
HOURS 11-5-7

[illegible]

2

YEARS

73-87

CCT

HOURS (L.S.T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72326 MCGHEE TYSON AIRPORT IN
STATION STATION NAME

73-60

YEARS

CCT
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
81																				1	1			
79																				1	1			
77				.2	.1	.2														5	5			
75				.3	.2	.4	.1	.2												12	12			
73				.2	.3	.2	.1													12	12	2	1	
71		.2	.8	.4	.6	.5	.2													27	27		2	
69		.4	1.5	.6	.5	.3	.1	.1												37	37	11	3	
67		.9	1.4	1.3	.6	.6			.1											46	46	26	16	
65	.2	1.9	1.3	1.3	.6	.6														56	56	37	27	
63	.4	1.7	1.8	1.1	.9	.5	.3	.3												66	66	53	39	
61	.2	2.4	.9	2.3	1.1	1.7	.3													73	73	51	26	
59	.9	2.5	1.4	2.3	1.2	1.7	.2													87	87	68	61	
57	1.3	2.8	1.5	2.4	1.7	.8		.1												91	91	81	72	
55	.4	1.8	1.9	1.9	1.6	.8	.3													82	82	69	58	
53	.4	1.5	2.6	1.8	1.2	.8	.1													78	78	76	58	
51	.1	1.7	2.3	1.9	.6	.3	.1													66	66	73	55	
49	.1	1.5	1.6	1.1	.6	.3														49	49	98	65	
47	.1	2.7	1.8	1.2	.3	.2														59	59	75	61	
45		1.9	1.1	.8																35	35	69	68	
43		1.1	1.3	.3	.2															27	27	60	62	
41		.4	.6	.3																13	13	43	72	
39		.2	.1	.1																4	4	24	53	
37			.2																	2	2	13	44	
35		.1																		1	1	3	29	
33																						2	24	
31																							17	
29																							9	
27																							9	
25																							1	
TOTAL	4.3	25.8	25.2	22.2	21.2	2.2	8.1	1.9	.6	.1											930	930	930	
																					930		930	
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	5362898		69286		78.5		8.7		930		10 F		12 F		17 F		23 F		28 F		33 F		Total	
Dry Bulb	3154590		53638		57.7		8.138		930				16.1		3.1		.1						93	
Wet Bulb	2690770		49472		53.2		7.978		930				4.5		.2								93	
Dew Point	2338029		85727		89.2		9.608		930				3.6		2.2		.1						93	

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OLA)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AND WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72726- MCGHEE TYSON AIRPORT TN
STATION STATION NAME

73-82

YEARS

OCT
MONTH

PAGE 1 1272-14-2
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																	
66/ 65																																	2	2			
64/ 63																																	6	6			
62/ 61					.1	.1	.4	.5	.7	.1																							15	15			
60/ 59				.1	.5	.8	1.1	1.2	1.4	.4	.2																						34	34			
58/ 57			.1	.2	.6	1.0	1.4	1.6	1.8	.3	.2																						50	50			
56/ 55			.5	1.1	1.4	1.6	1.8	2.0	2.2	.3	.3																						60	60	3		
54/ 53			.2	1.0	1.3	1.6	1.8	2.0	2.2	.9	.1	.1																					56	56	3	3	
52/ 51			.2	1.1	1.4	1.6	1.8	2.0	2.2	.5	.4	.2																					73	73	20	1	
50/ 49	.1		.9	.6	1.2	1.5	1.7	1.9	2.1	.3																							86	86	31	2	
48/ 47	.1	.8	.4	.8	1.3	1.6	1.8	2.0	2.2	.3	.3																						91	91	52	22	
46/ 65	.2	.8	.6	.5	1.3	1.6	1.8	2.0	2.2	.5																							76	76	7	31	
44/ 63	1.0	1.0	.4	.2	1.5	1.4	1.1	.3	.1	.1																							61	61	60	43	
62/ 61	.2	1.2	.2	.5	.5	1.2	2.0	1.2	.2																								68	68	81	52	
60/ 59	1.0	.9	.3	.5	.6	1.6	.9	.5	.1																								60	60	102	62	
58/ 57		.4	.1	.4	.6	1.5	1.3	.4																									45	45	69	54	
56/ 55		.6	.2	1.0	.3	1.6	1.2	.2																									52	52	68	52	
54/ 53			.4	.4	.8	1.3	.2	.1																									30	30	94	61	
52/ 51	.1	.2	.3	.1	1.2	.2	.2																										22	22	52	64	
50/ 49	.1	.2	.5	.3	.3		.1																										15	15	69	47	
48/ 47		1.0	.9	.1	.2																												20	20	48	39	
46/ 45		.4		.4																													8	8	68	60	
44/ 43																																			30	56	
42/ 41																																				11	61
40/ 39																																				6	37
38/ 37																																				50	
36/ 35																																				47	
34/ 33																																				26	
32/ 31																																				32	
30/ 29																																				12	
28/ 27																																				4	
26/ 25																																				8	
24/ 23																																				3	
22/ 21																																				1	
Element (X)	Σ X					Σ X					Σ					Σ					Σ					Σ					Mean No. of Hours with Temperature						
Rel. Hum.																															± 6 F ± 32 F ± 67 F ± 73 F ± 80 F ± 93 F Total						
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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22-82

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PAGE 2 ~~126-1463~~
~~100-1011~~

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FLORAL CLIMATOLOGY BRANCH
USAFETAC
AFB WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72260 MCGHEE TYSON AIRPORT IN
STATION STATION NAME

72-82

YEARS

OCI
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
86/ 85																		2				2			
84/ 83					.2			.1	.4					.1	.1			9				9			
82/ 81				.1	.1	.3	1.3	.3	.5	.1								26				26			
80/ 79				.1	.1	1.5	1.1	1.5	.8	.2	.1							51				51			
78/ 77				.2	.2	1.0	1.9	1.4	1.1	1.1	.2		.2					68				68		2	
76/ 75				.3	1.0	1.3	1.8	2.4	1.2	.8			.2		.1			84				84		1	
74/ 73			.1	.3	.2	.6	1.6	1.7	1.4	.7	.4		.1					63				63		3	3
72/ 71			.3	.6	.1	1.1	2.3	1.7	1.1	.7	.5		.3					79				79		23	
70/ 69	.3	.3	.3	.5	1.7	1.1	1.3	2.7	1.4	1.7	.2							98				98		27	6
68/ 67	.1	.6	.8	.3	.5	1.1	1.5	1.9	1.4	.4								61				61		63	21
66/ 65	.2	.5	.5	.6	.8	.3	1.1	.5	.7	.2								50				50		58	36
64/ 63	.1	1.6	.4	.3	.8	1.3	1.1	1.5	.5	.3								74				74		86	28
62/ 61	.3	1.0		.1	.3	.4	1.5	1.7	.4									52				52		91	51
60/ 59	.6	1.2	.2	.5	.7	1.2	1.7	1.2	.5									63				63		90	62
58/ 57	.1	.3	.1	.2	.8	.9	2.7	.5	.1									47				47		73	55
56/ 55		.1	.1	.3	.4	1.3	.4											25				25		61	56
54/ 53	.3	.3		.1	.5	1.0												21				21		78	49
52/ 51		.3	.1	.1	.3	.4	.2											14				14		67	68
50/ 49		.5	.2	.3	.3	.1												14				14		59	40
48/ 47		1.0	.9			.1												18				18		40	47
46/ 45																								77	49
44/ 43																								21	47
42/ 41																								5	57
40/ 39																								4	42
38/ 37																									50
36/ 35																									37
34/ 33																									34
32/ 31																									41
30/ 29																									17
28/ 27																									12
26/ 25																									7
24/ 23																									6
22/ 21																									2
Element (K)	Σ g'		Σ g		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.													≤ 6 F	6-32 F	33-67 F	68-73 F	74-80 F	81-93 F	Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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73-82

YEARS

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MONTM

PAGE 2 ~~1500-1743~~
~~1948-1949~~

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723061 HOGGEE TYSON AIRPORT TN
STATION STATION NAME

73-87
YEARS

OCT
MONTH

PAGE 1 1800-2200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																
67/ 83										.1																						1	1			
72/ 81																																2	2			
77/ 79					.1	.1	.1	.1	.1																							5	5			
79/ 77						.3	.1								.1																	6	6			
76/ 75				.1	.4	.4	.4	.5	.7	.1					.1																	76	26	3		
74/ 73		.1	.4	.9	.7	1.0	.2	.4	.2																							73	33		3	
70/ 71		.3	.6	1.3	1.0	1.7	1.2	.6	.1																							61	61	5		
77/ 69	.1	.4	1.8	1.1	1.2	2.7	.5	.7	.2						.2																	74	74	21	4	
69/ 67	.4	.8	.9	1.1	.7	1.5	1.3	.7	.2	.1																						69	69	42	23	
66/ 65	.2	1.0	1.5	1.7	1.4	1.2	1.2	.7	.1	.1																						98	98	43	36	
64/ 63	.2	1.2	1.1	2.0	1.3	.9	.9	.7	.4																							78	78	55	10	
62/ 61	.6	1.1	1.3	1.3	1.4	1.4	.6	.4	.4																							86	86	75	43	
67/ 55	.2	1.1	1.7	.8	1.5	1.5	.5	.3	.1																							75	75	81	57	
64/ 57	.4	1.1	.8	.8	1.7	1.3	.8	.2																								64	64	57	67	
66/ 55	.1	.6	1.1	1.1	2.4	1.5	.7																									65	65	79	55	
64/ 53	.3	.4	.9	1.2	1.1	1.2	.6																									52	52	60	62	
62/ 51		.4	.6	1.2	1.6	1.2	.1																									46	46	65	67	
61/ 49		.2	1.3	.8	1.6	.5																										41	41	69	50	
48/ 47		.6	.8	1.7	.5																											27	27	63	45	
66/ 45		.9	.8	.8	.5	.1																										71	21	67	44	
64/ 43		.1	.1	.3																												5	5	51	62	
62/ 41			.1	.1																												3	3	33	64	
67/ 39																																			17	42
78/ 37																																			6	43
66/ 35																																			3	39
74/ 33																																			1	38
62/ 31																																				2
77/ 29																																				15
68/ 27																																				14
66/ 25																																				4
74/ 23																																				2
62/ 21																																				3
TOTAL	2.8	11.2	14.3	18.3	19.8	18.1	8.9	4.0	2.0	.1	.3																					930	930	930	930	
Element (K)	Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h		Σ _h	
Rel. Hum.	41679.5		60147		64.7		17.297		930		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total													
Dry Bulb	3590827		57341		61.6		8.556		930						27.7		7.3		.6				93													
Wet Bulb	2851558		52958		54.8		7.995		930						7.1		.3						93													
Dew Point	2315458		45328		48.7		10.691		930				6.3		3.0		.3						93													

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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73-81

YEARS

201
MONTH

PAGE 1 21:00-23:00
HOURS (L. S. T.)

USAFETAC
FORM
MAY 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70326	MCGREE TYSON AIRPORT TN
STATION	STATION NAME

73-62

YEARS

SCI
MONTH

PAGE : ALL
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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77-62

YEARS

MONTH

545

MOVIES

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

A)

33

USAFETAC

YEARS

71 26	MCGHEE TAYSON AIRPORT TN
STATION	STATION NAME

2-8-

NOV
MONTH

PAGE

1426-27-0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
77/ 77																		1	1					
77/ 67																		7	7					
76/ 65		.1	.0		.4	.3												16	16	6				
74/ 62			.0	.4	.3													23	23	12				
72/ 61		.3	1.0	1.1		.0	.1											30	30	14				
71/ 56		.7	2.6	1.2														40	40	27				
70/ 57		1.2	2.7	1.2	.3	.1			.1									45	45	31				
70/ 65		.0	3.2	1.5	.4	.1	.2	.1										52	52	39				
74/ 53		.0	2.7	.9	.7	.2		.3										46	48	33				
72/ 51		.8	2.8	2.3	.3	.1												57	57	44				
71/ 46		.3	.7	2.7	1.3		.2											47	47	34				
70/ 47		.4	3.7	1.7	1.1	.2												58	58	41				
74/ 45		.4	3.7	1.9	.9	.2												65	65	44				
74/ 43		.2	1.3	2.6	.7	.1												44	44	36				
70/ 41			1.0	3.1	1.1	.1												56	56	43				
70/ 39		.6	2.9	2.9	.8	.7												67	67	43				
70/ 37		.2	4.2	2.6	.9	.1												72	72	45				
70/ 35		.1	3.5	3.3	.7	.1												75	75	45				
74/ 32		.2	1.3	1.0	.3													31	31	23				
70/ 31			2.2	1.1	.1													31	31	23				
70/ 29		.2	1.4	.6														20	23	13				
70/ 27		.2	.4	.4														10	17	8				
70/ 25			.4															4	4	3				
74/ 27			.1															1	1	1				
70/ 21																								
70/ 17			.1															1	1	1				
70/ 17			.2															2	3	3				
70/ 15																								
74/ 13																								
70/ 11																								
TOTAL		7.6	43.4	33.1	10.4	3.0	1.4	1.0										900	900	900				

Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5817851	71371	79.7	13.259	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2,257,08	41714	46.3	10.133	900		6.0	1.5				90
Wet Bulb	1795421	39165	43.5	10.066	900		12.9					90
Dew Point	1562506	36002	40.0	11.666	900		26.3					90

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

22-8

YEARS

NOV
MONTH

PAGE 1 ~~2300-050~~
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700661 MCGHEE TMSGV AIRPORT TN
STATION STATION NAME

73-80

YEARS

NOV
MONTH

PAGE 1 7006-0000
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																																			
77/ 71				.1														1	1																																				
77/ 69			.2	.1														3	3																																				
68/ 67			.3	.2	.7													11	11																																				
66/ 65		.3	.6	.2	.1													11	11																																				
64/ 63		.6	.6	.3														13	13																																				
62/ 61	.3	1.2	.3	.2	.1													20	20																																				
60/ 59	.1	.7	.8	.6			.1											20	20																																				
58/ 57	1.3	1.9	.4															33	33																																				
56/ 55	.4	1.9	.9	.1	.1	.3												34	34																																				
54/ 53	2.1	1.7	.6	.3	.2													43	43																																				
52/ 51	.9	3.3	.8	.3														48	48																																				
50/ 49	.4	3.3	2.4	.2														58	58																																				
48/ 47	.1	4.1	.4	.6	.1													48	48																																				
46/ 45	.8	4.2	.7	.8	.2													60	60																																				
44/ 43	.2	1.8	1.8	.8	.1	.1												43	43																																				
42/ 41	.3	3.6	2.3	.3	.1													60	60																																				
40/ 39	.8	3.9	2.1	.1														61	61																																				
38/ 37	.4	5.7	.7	.8	.2													64	64																																				
36/ 35	.3	4.4	1.4	.7														55	55																																				
34/ 33	.1	3.7	1.3															46	46																																				
32/ 31	.4	5.4	1.6															67	67																																				
30/ 29	.8	2.0	.7															31	31																																				
28/ 27	.6	3.2	.6															39	39																																				
26/ 25	.4	.8	.1															12	12																																				
24/ 23	.1	.1																2	2																																				
22/ 21		.1																1	1																																				
20/ 19	.1	.2																3	3																																				
18/ 17		.1																1	1																																				
16/ 15	.2																	2	2																																				
14/ 13																																																							
TOTAL	11.35	7.62	1.8	6.7	2.1	.4	.1											900	900																																				
																						900		900																															
Element (X)	Σx'			Σx			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ																					

USAFETAC 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM 34 JUL 64

PSYCHROMETRIC SUMMARY

73-82

YEARS

MONTH

PAGE 1

~~292-196~~
HOURS (L. S. T.)

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USAFETAC
FORM
NA 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72325	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

73-82

YEARS

NOV
MONTH

PAGE - 2912-11.3
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
TAL	4.72	7.03	1.22	7.91	1.3	3.0	1.0	.										900	900	900	900											

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73-85

YEARS

NOV
MONTH

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~~1256-1820~~
~~1820-1821~~

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 120-14-0
HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-226- MCGHEE TYSSEN AIRPORT TN
STATION

73-80

YEARS

NOV
MONTH

PAGE 1 15-C-17-0
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
77/ 51																																	2	2		
76/ 75																																	9	9		
75/ 77																																	6	6		
74/ 75																																	13	13		
74/ 73																																	25	25		
73/ 71																																	58	58	3	
72/ 69																																	68	68		
68/ 67																																	46	46	18	
66/ 65																																	59	59	29	12
64/ 63																																	47	47	44	13
62/ 61																																	58	58	59	31
60/ 59																																	56	56	37	26
58/ 57																																	71	71	46	42
56/ 55																																	63	63	51	46
54/ 53																																	53	53	72	31
52/ 51																																	58	58	72	47
50/ 49																																	41	41	65	27
48/ 47																																	37	37	51	41
46/ 45																																	36	36	63	40
44/ 43																																	31	31	64	41
42/ 41																																	17	17	61	42
40/ 39																																	12	12	54	52
38/ 37																																	17	17	35	39
36/ 35																																	2	2	29	40
34/ 33																																	4	4	17	45
32/ 31																																	5	5	13	62
30/ 29																																	2	2	1	32
28/ 27																																	1	1	6	32
26/ 25																																			6	32
24/ 23																																				23
22/ 21																																				23
20/ 19																																				29
18/ 17																																				5
16/ 15																																				

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

77426	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

72-67

YEARS

N.C.
MONTGOMERY

PAGE

15-0-1750
MOUSE (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-47

YEARS

~~NO~~
MONTH

PAGE 1

~~1990-2000~~
HOURS (L.S.T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723200	HOGHEE TYSON AIRPORT TN
STATION	STATION NAME

155

YEARS

NOV
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

77024	MCQUEE LYSON AIRPORT IN
STATION	STATION NAME

7-3-

YEARS

NO
MONTH

FILE * 200-230
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
71/ 71							.1	.1										2	2						
69/ 69							.1	.3										10	10						
67/ 67					.3	.3	.2											21	21						
65/ 65		1.1	.3	.7	.2													21	21	4					
63/ 63	.3	.9	.9	.7	.1	.3												29	29	18					
61/ 61	.3	.9	1.2	.7		.1												34	34	26					
59/ 59	.7	1.2	1.2	.3	.2													51	51	24					
57/ 57	.3	2.1	1.2	.7	.2	.2												48	48	48					
55/ 55	.6	1.1	1.2	.3	.3	.6	.1											64	64	52					
53/ 53	.3	1.3	1.6	1.6	.2	.1	.1											53	53	40					
51/ 51	.2	1.4	2.7	1.1	.7	.3	.1											59	59	38					
49/ 49	.9	1.1	2.5	3.2	.7	.3	.1											77	77	46					
47/ 47		1.6	1.6	1.8	1.1	.1												55	55	63					
45/ 45	.3	1.8	2.1	2.5	.7	.2												68	68	59					
43/ 43		1.3	2.5	.2	1.7	.1												52	52	61					
41/ 41		.9	2.3	1.7	1.2													60	60	68					
39/ 39	.2	1.3	2.7	1.3	.2													53	53	55					
37/ 37	.4	1.7	2.6	.7	.1													45	45	74					
35/ 35		1.2	2.7	1.2	.7													44	44	49					
33/ 33		1.1	1.3	.1														20	20	62					
31/ 31		.7	1.4	.7														25	25	37					
29/ 29		.3	.2	.1														6	6	25					
27/ 27			.1															1	1	23					
26/ 26		.1	.2															3	3	6					
24/ 24		.2																2	2	3					
22/ 22		.2																2	2	3					
20/ 20		.1																1	1	2					
18/ 18																				13					
16/ 16																				3					
14/ 14																				2					
12/ 12																				1					
10/ 10																									
TOTAL	6.227	533.320	.1	9.2	2.9	.9												897	897	897					

Element (K)

ΣK²

ΣK

X

Σ₂

No. Obs.

Mean No. of Hours with Temperature

Rel. Hum.	5167909	66701	78.4	15.237	897	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Dry Bulb	2197749	43549	48.5	9.651	897		4.0	2.0				9.7
Wet Bulb	1889819	45267	44.8	9.887	897		9.2					9.2
Dew Point	1589998	36172	42.3	12.137	897		26.7					9.2

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

25-00000

YEARS

NOV
MONTH

PAGE

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
77/ 61																								
77/ 72																								
77/ 77																								
77/ 75																								
74/ 73																								
77/ 71																								
77/ 69																								
77/ 67																								
67/ 65																								
64/ 63																								
77/ 61																								
77/ 59																								
77/ 57																								
64/ 55																								
47/ 53																								
77/ 51																								
77/ 49																								
67/ 47																								
67/ 45																								
44/ 43																								
47/ 41																								
40/ 39																								
77/ 37																								
77/ 35																								
74/ 33																								
72/ 31																								
77/ 29																								
78/ 27																								
76/ 25																								
74/ 23																								
72/ 21																								
77/ 19																								
78/ 17																								
75/ 15																								
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F													
Dry Bulb											≤ 32 F													
Wet Bulb											≥ 67 F													
Dew Point											≥ 73 F													
											≥ 80 F													
											≥ 93 F													

GLOBAL CLIMATOLOGY BRANCH
C-1000
AIR WEATHER SERVICE/PAO

PSYCHROMETRIC SUMMARY

7226	MCGHEE LYSC: ALPHEI IN
STATION	STATION NAME

27-21

YEARS

MONTH

745

NO. 5

[illegible]

PSYCHROMETRIC SUMMARY

73-8

YEARS

250
MONTH

PAGE 1 1007-0201
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
77/ 71					.1													1	1															
76/ 69					.2													2	2															
75/ 67			.1	.2	.4													7	7															
74/ 65			.3	.1	.1													3	3															
73/ 62	.1	.3		.3														7	7															
72/ 61		.4	.3															7	7															
71/ 59	.6	.3			.1													10	10															
70/ 57	.3	.4	.2															10	10															
69/ 55	.5	1.2	.1		.1													16	16															
68/ 53	.5	.5	.5	.5	.1													16	16															
67/ 51	.7	1.1	.5	.1	.2	.1	.1											24	24															
66/ 49	.7	.9	.6		.2													18	18															
65/ 47	.1	1.8	1.2	.2														29	29															
64/ 45	.6	3.2	1.2	.2	.1	.1												31	31															
63/ 43	.6	4.3	1.2	1.9	.7													45	45															
62/ 41	.2	2.6	3.2	1.3														60	60															
61/ 39	.3	4.1	2.3	1.1														71	71															
60/ 37	.4	2.9	2.8	1.2														68	68															
59/ 35	1.1	4.5	2.6	.5														81	81															
58/ 33	.5	2.6	3.1	.8	.7													69	69															
57/ 31	.8	4.2	3.2	.9														83	83															
56/ 29	.1	2.7	3.1	.1														55	55															
55/ 27	.2	2.3	1.2	.2														76	36	61														
54/ 25	.2	1.8	1.3															31	31	55														
53/ 23	.3	1.8	.6															25	25	35														
52/ 21	.7	1.3	.5															20	20	25														
51/ 19		1.1	.3															12	12	18														
50/ 17		.8																7	7	17														
49/ 15		.5																5	5	7														
48/ 13	.1	.4																5	5	4														
47/ 11		.1																1	1	5														
46/ 9																				24														
45/ 7																				7														
44/ 5																				1														
Element (X)	Σx^1	Σx	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																												
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

2

1

74-82

YEARS

DEC
MONTH

PAGE

NO. 11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044

Temp. (F)		WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point		
C /	7																						
F /	7																						
TIME		.348	.351	.117	.0	1.4	.4	.1											9.50	93.0	93.0		

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700061	MC GHEE TYSON AIRPORT TN
STATION	STATION NAME

13-8

YEARS

005

PAGE 132-25-1
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
69/ 69			.1															1	1					
68/ 67			.2															1	1					
66/ 65			.3	.1	.1													1	1					
64/ 63		.1	.4	.1	.1													1	1					
62/ 61	.2	.8	.2	.1														11	12	14				
60/ 60	.5	.3	.2	.1														11	11	15				
58/ 57	.1	.5	.1															8	8	1				
56/ 55	1.1	.2	.1	.2	.1													15	15	16				
54/ 53	.3	.2	.3															10	10	1				
52/ 51	.2	1.0	.4	.1		.2												10	14	7				
50/ 49	.4	1.1	.5		.2	.1												27	27	17				
48/ 47	.3	2.1	.2	.1	.3													20	20	16				
46/ 45	.6	2.9	.6															39	39	24				
44/ 43	.5	2.6	1.1	.2	.1													46	46	24				
42/ 41	.1	2.6	2.8	.4														55	55	29				
40/ 39	1.1	4.3	3.1	.4														33	41	36				
38/ 37	.4	4.6	1.7	.5														61	68	47				
36/ 35	1.2	5.1	2.3	.8														66	66	52				
34/ 33	1.2	4.1	2.3	.2														72	72	51				
32/ 31	.8	4.4	2.9	1.2														76	86	54				
30/ 29	.5	3.7	2.1															50	59	64				
28/ 27	.6	3.7	1.5															55	55	62				
26/ 25	.5	2.6	.4															73	73	61				
24/ 23	.1	1.1	.2															15	15	44				
22/ 21	1.1	5.3	.9															35	39	41				
20/ 19	.3	2.3	.4															78	24	27				
18/ 17		.5																5	5	31				
16/ 15		.9																8	8	26				
14/ 13	.2	.6																8	8	14				
12/ 11		.3																3	3	21				
10/ 9																				12				
8/ 7																				7				
6/ 5																				1				
4/ 3																				2				
Element (X)	Σx ²	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F													
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

77-62

YEARS

~~DEC~~
MONTH

PAGE 2 ~~2670-0865~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-82

YEARS

DEC
MONTH

PAGE 2 ~~CONFIDENTIAL~~
HOURS 11-12

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

72/261 MCGHEE TYSON AIRPORT TN
STATION STATION NAME

13-62

YEARS

DEC
MONTH

PAGE 1 12-0-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	TOTAL	Dry Bulb	Wet Bulb	Dew Point
72/ 75																						4	4		
72/ 77																						1	1		
76/ 75																						4	4		
74/ 73																						5	5		
72/ 71																						1	1		
71/ 69																						6	6		
68/ 67																						11	11	12	
66/ 65																						5	5	4	4
64/ 63																						10	10	9	9
62/ 61																						20	20	19	19
60/ 59																						27	27	27	27
60/ 57																						31	31	31	31
56/ 55																						48	48	48	48
54/ 53																						51	51	51	51
52/ 51																						64	64	63	64
50/ 49																						72	72	70	72
48/ 47																						82	82	82	82
46/ 45																						74	74	74	74
44/ 43																						84	84	82	84
42/ 41																						69	69	69	69
40/ 39																						79	79	82	79
38/ 37																						47	47	89	61
36/ 35																						52	52	81	46
34/ 33																						70	70	56	58
32/ 31																						31	31	42	67
30/ 29																						26	26	48	75
28/ 27																						8	8	73	62
26/ 25																						6	6	31	36
24/ 23																						4	4	17	38
22/ 21																						6	6	9	24
20/ 19																						1	1	3	39
18/ 17																									6
16/ 15																									1
14/ 13																									31
Element (X)	Σ X					Σ X					Σ X					Σ X					Σ X				
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

73-42

YEARS

DEC
MONTH

PAGE - ~~126435~~

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
GSCATAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70000	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

73-87

YEARS

DEC
MONTH

PAGE 1 152-170
HOURS (L, S, T)

[illegible]

5

PSYCHROMETRIC SUMMARY

2234

YEARS

DEC
MONTH

PAGE 15-3-17
HOURS 11.3

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
11																																								
9																																								
7																																								
5																																								
3																																								
TOTAL	1.4	16.3	13.4	19.0	21.2	15.4	0.0	7.0	0.7																												93		93	

USAFETAC
FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 84

GLOBAL CLIMATOLOGY BRANCH
CCTTETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73026	MC GHEE TYSON AIRPORT TN
STATION	STATION NAME

77-27

YEARS

250
MONTH

PAGE 2

26 5-20-64
HOURS 11 5 11

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION MCQUEE TYSON AIRPORT TN
STATION NAME

DATE 12-1-80

YEARS

MONTH

PAGE 1 OF 1
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
5/ 7																																			
6/ 5																																			
4/ 3																																			
TOTAL	2.3	23.5	27.5	25.3	14.5	5.7	1.1																												

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Rel. Hum.	4392298	61900	66.6	17.12	930							
Dry Bulb	1833697	43313	43.3	9.635	930		12.6	1.8	5			93
Wet Bulb	1489643	36185	38.9	9.557	930		22.1	1				93
Dew Point	1113363	29923	32.2	12.567	930		50.0					93

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
AFCTAC
AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

70726 MOBILE TYSON AIRPORT TN
STATION STATION NAME

72-87

YEARS

DEC

MONTH

PAGE 1

0100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
74/ 72																		5	3							
71/ 69																		5	5							
67/ 67																		6	6							
67/ 65																		4	4							
64/ 63	.1	.3	.3															7	7							
62/ 61		.1	.4															5	5	11	2					
61/ 59	.6	.3	.1	.1														11	11	11	13					
61/ 57	.2	.6	.8															12	12	12	11					
61/ 55		.4	.2															10	10	11	17					
64/ 53	.6	1.2	.4															21	21	10	11					
63/ 51	.3	1.1	.6	.6														29	29	6	13					
61/ 49		.6	1.5	1.1	.2													35	35	23	12					
67/ 47		1.1	1.7	.6	.1	.4	.1											57	57	12	13					
67/ 45	.6	3.1	1.4	1.1	.5	.2												64	64	56	33					
64/ 43	.8	3.2	2.6	2.6	.1													38	38	14	39					
67/ 41		2.4	3.5	1.7	.4													75	75	43	51					
67/ 39	.3	1.8	3.4	2.2	.6													77	77	66	45					
65/ 37	1.2	3.1	2.4	1.5	.1													77	77	97	45					
67/ 35		2.7	3.1	1.4	.6													79	79	83	42					
78/ 33		3.3	3.2	1.2	.3													63	63	81	51					
67/ 31	.1	2.3	2.4	1.9	.1													62	62	65	100					
67/ 29	.2	1.2	2.4	.1														36	36	65	62					
66/ 27	.1	1.1	1.6	.5														70	70	45	42					
66/ 25	.1	1.1	.5	.2														17	17	51	78					
66/ 23		.3	1.1															16	16	25	31					
67/ 21		.3	1.3															15	15	15	41					
67/ 19		.5	.2															9	9	19	30					
66/ 17		.2	.1															5	5	13	31					
67/ 15		.3																5	5	1	26					
64/ 13		.3																3	3	5	13					
67/ 11																					21					
67/ 9																					13					
67/ 7																					15					
67/ 5																					9					
Element (X)	ΣX^2		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.											$\leq 0 F$		$\leq 32 F$		$\geq 67 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

1265

~~21-23-24-25-26~~
HOURS (L. S. T. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

707767 MCGHEE TYSON AIRPORT TN
STATION STATION NAME

73-67

YEARS

JFC
MONTH

PAGE 1
ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
77/75																									
77/77																									
76/75																									
74/73																									
77/71																									
77/69																									
76/67																									
76/65																									
74/63																									
77/61																									
77/59																									
77/57																									
76/55																									
74/53																									
77/51																									
77/49																									
77/47																									
77/45																									
74/43																									
77/41																									
77/39																									
77/37																									
76/35																									
74/33																									
77/31																									
77/29																									
77/27																									
76/25																									
74/23																									
77/21																									
77/19																									
77/17																									
76/15																									
74/13																									
Element (X)	Σ X ²		Σ X		X̄		σ _x ²		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 10-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
JLAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-7-51	MCGHEE LYSON AIRPORT IN
STATION	STATION NAME

7-6-

YEARS

556
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
11	1	0.1	0.1																																11	11	11	16.8
9																																					14.2	
7																																					9.5	
5																																					5.2	
3																																					1.7	
1																																					1.1	
-1																																					1.1	
TOTAL	1.2	3.6	4.2	6.7	14.8	8.6	4.3	1.9	0.7	0.1																								74.39	74.39	74.39		

Element (X)	ΣX^1	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	40831398	535666	72.017	6.28	7439	56 F	57 F	58 F	59 F	60 F	61 F	
Dry Bulb	17348393	304275	47.911	0.16	7439		16.7	3	12.5	3.9	0.1	
Wet Bulb	11143133	277473	37.316	0.328	7439		242.1	2.2				
Dew Point	3672367	236705	31.812	0.3	7439		1.1	4.15	2			

PSYCHROMETRIC SUMMARY

74126	MCGHEE TYSON AIRPORT TN
STATION	STATION NAME

73-87

YEARS

**ALL
MONTH**

فأجاب:

ALL
HOURS 11.5.7.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point										
57/ 59																		173	173											
58/ 57																		27	27											
56/ 95																		58	58											
54/ 63																		173	173											
55/ 61																		3-2	3-2											
57/ 89																		7-4	7-4											
58/ 87																		1105	1105											
66/ 95																		1689	1689											
64/ 83																		1856	1856	2										
62/ 61																		2186	2186	27										
57/ 79																		2619	2619	228										
79/ 77																		2836	2836	1-01										
67/ 75																		3532	3532	2627										
74/ 73																		4011	4011	4613										
71/ 71																		4576	4576	5337										
77/ 69																		4881	4881	5478										
69/ 67																		4052	4053	4919										
66/ 65																		3494	3494	4044										
64/ 63																		2962	2962	3858										
62/ 61																		2982	2982	3376										
67/ 59																		2976	2976	3468										
69/ 57																		2921	2921	3277										
64/ 55																		3055	3055	3145										
64/ 53																		2906	2906	3149										
62/ 51																		2484	2485	2764										
61/ 49																		2559	2559	2770										
48/ 47																		2622	2622	2984										
46/ 45																		2731	2731	3205										
44/ 43																		2630	2637	3018										
42/ 41																		2552	2552	2847										
47/ 39																		2426	2426	2906										
38/ 37																		2470	2470	2943										
36/ 35																		2277	2277	2682										
34/ 33																		1929	1929	2625										
Element (X)	Σ x ²	Σ x		X		Σ _n		No. Obs.		Mean No. of Hours with Temperature					± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total			
Dry Bulb																														
Wet Bulb																														
Dew Point																														

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70424	WOGNEE LYON AIRPORT IN
STATION	STATION NAME

4-82

YEARS

مونت:

PAGE

ALL
HOURS (L.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
11/ 31	.1	1.	.6	.3	.1	.0												159	149	2187	3572														
12/ 29	.1	.6	.3	.1	.													1106	1106	2121	2246														
8/ 27	.1	.5	.4	.1	.													952	952	1497	2733														
12/ 25	.1	.4	.3	.0														689	689	1313	2105														
4/ 23	.	.2	.2	.														362	362	861	1316														
12/ 21	.1	.2	.2	.														463	463	542	1622														
11/ 19	.1	.4	.1	.														495	495	450	1622														
12/ 17	.	.3	.1															302	302	500	922														
14/ 15	.	.2	.															199	199	264	854														
14/ 13	.	.1	.															132	133	186	709														
11/ 11	.	.1	.															83	83	138	639														
12/ 9	.	.2	.															45	45	78	461														
8/ 7	.	.2	.															39	39	39	339														
12/ 5	.	.0																17	17	32	153														
4/ 3	.	.0																10	16	21	139														
2/ 1	.	.0																12	12	14	129														
1/ -1	.	.0																17	17	11	13														
-2/ -3	.	.0																7	7	17	36														
-4/ -5	.	.0																1	1	2	36														
-6/ -7	.																				12														
-8/ -9	.																				14														
-10/-11	.																				13														
-12/-13	.																				6														
-14/-15	.																				3														
-16/-17	.																				7														
-18/-19	.																				7														
-20/-21	.																				1														
TOTAL	5.4	28.8	24.9	13.1	9.7	7.5	5.5	4.2	2.5	1.2	.5	.2	.0	.0				87614		87614															

Element (X)	Σx'	Σx	Σ	σ _n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	486-18386	6317384	72-118-661	87614		± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Dry Bulb	327251713	5132397	58.617.429	87619		2.5	700.7	3863.9	2119.3	950.2	29.4	8740
Wet Bulb	271274025	4674443	53.485.803	87614		3.1	629.9	2417.1	850.3	10.7		8762
Dew Point	234671991	4262895	48.727.639	87614		10-3	1006-3	3782-8	206-7	-2		8764

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

723267 MCGHEE TYSON AIRPORT TN

73-83

STATION		STATION NAME												YEARS													
HRS LST		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
70-02	MEAN	34.3		37.9		46.9		54.3		61.5		68.1		72.5		72.1		66.5		53.1		42.3		38.2		54.4	
	S.D.	11.586		11.289		10.487		9.150		6.823		4.925		3.711		3.508		6.343		8.410		10.133		10.226		15.702	
	TOTAL OBS	930		846		930		900		930		900		930		930		900		930		900		930		10956	
75-05	MEAN	33.0		36.0		44.9		51.3		59.7		65.8		70.5		70.2		64.6		50.7		44.5		36.6		52.3	
	S.D.	11.852		11.439		10.909		9.449		7.197		5.396		3.706		3.647		6.552		8.763		10.510		10.649		15.702	
	TOTAL OBS	930		844		930		920		930		899		930		927		900		930		920		930		10950	
76-08	MEAN	32.2		34.6		43.7		51.1		60.0		67.1		71.4		70.5		64.2		49.8		43.4		35.6		52.0	
	S.D.	12.178		11.378		10.700		9.369		7.227		5.496		3.987		3.901		6.697		8.752		10.591		10.919		16.357	
	TOTAL OBS	930		846		930		900		930		900		929		929		900		930		900		930		10954	
77-11	MEAN	35.0		39.3		49.9		59.9		68.4		75.1		79.1		78.0		71.0		57.7		49.3		39.4		58.6	
	S.D.	11.788		11.320		10.684		9.289		7.007		5.271		4.969		4.731		6.965		8.134		9.858		10.070		17.522	
	TOTAL OBS	930		845		930		899		928		900		929		930		900		930		900		930		10951	
12-14	MEAN	40.3		46.0		56.6		66.3		74.1		80.7		84.6		84.1		77.5		65.9		56.6		46.0		65.0	
	S.D.	11.606		12.025		11.796		9.817		7.483		5.223		5.477		4.823		7.308		8.507		10.282		10.063		17.538	
	TOTAL OBS	930		846		930		900		930		900		930		930		900		930		899		929		10954	
15-17	MEAN	42.5		48.9		59.0		68.6		75.2		81.8		85.3		85.2		78.9		67.8		58.3		48.0		66.7	
	S.D.	11.454		12.237		11.763		9.738		7.542		5.599		6.151		5.207		7.456		8.447		10.373		10.117		17.146	
	TOTAL OBS	930		849		930		900		930		899		930		930		900		929		900		930		10952	
18-20	MEAN	38.7		45.0		55.2		64.6		71.2		78.0		81.6		80.7		74.0		61.6		52.7		43.3		62.3	
	S.D.	11.105		11.290		10.921		9.203		7.017		5.445		5.572		4.949		6.990		8.056		9.761		9.635		16.907	
	TOTAL OBS	930		846		930		900		930		900		930		928		899		930		900		930		10953	
21-23	MEAN	35.7		40.8		50.1		58.4		65.2		71.7		75.8		75.0		68.9		56.2		48.5		40.2		57.3	
	S.D.	11.265		10.848		10.436		8.762		6.422		4.637		4.215		3.631		6.322		7.957		9.651		9.869		15.915	
	TOTAL OBS	930		846		930		899		930		930		930		927		900		930		897		930		10949	
ALL HOURS	MEAN	36.5		41.1		50.8		59.3		66.8		73.5		77.6		77.0		70.7		57.9		49.9		40.9		58.6	
	S.D.	12.095		12.429		12.171		11.299		9.257		7.897		7.332		7.066		8.652		10.491		11.363		11.016		17.429	
	TOTAL OBS	7440		6763		7440		7198		7438		7198		7438		7431		7199		7439		7196		7439		87619	

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725267 MCGHEE TYSON AIRPORT TN

73-83

STATION

STATION NAME

YEARS

HRS TEST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	32.1	34.9	43.7	49.6	58.7	65.3	69.7	69.4	64.1	57.7	43.5	35.6	51.5
S.D.	11.324	10.696	9.872	8.653	7.164	5.254	3.301	3.340	6.318	8.589	10.066	10.167	15.615
TOTAL OBS	930	846	930	900	900	900	930	930	900	930	900	930	10950
MEAN	31.2	33.6	41.6	47.8	57.1	63.9	68.5	68.3	62.9	48.9	42.2	34.5	50.1
S.D.	11.553	10.979	10.193	8.980	7.444	5.569	3.495	3.576	6.532	8.836	10.284	10.451	15.730
TOTAL OBS	930	844	930	900	900	899	930	927	900	930	900	930	10950
MEAN	30.5	32.6	41.7	47.9	57.7	64.7	68.9	68.3	62.5	48.3	41.2	33.8	49.9
S.D.	11.903	10.941	10.261	9.025	7.431	5.474	3.497	3.676	6.638	8.845	10.353	10.697	16.160
TOTAL OBS	929	846	930	900	930	900	929	929	900	930	900	930	10950
MEAN	32.6	35.7	45.0	52.7	62.3	68.8	72.4	71.9	66.1	53.2	45.3	36.5	53.6
S.D.	11.430	10.486	9.867	8.467	6.815	5.728	3.450	3.413	6.131	7.974	9.598	9.983	16.189
TOTAL OBS	930	845	930	899	928	900	929	930	900	930	900	930	10951
MEAN	36.7	39.8	48.5	55.6	64.6	70.6	74.0	73.8	68.5	56.8	49.1	40.6	56.6
S.D.	11.050	10.290	9.975	8.355	6.644	5.050	3.331	3.116	5.880	7.813	9.488	9.655	15.411
TOTAL OBS	930	846	930	900	930	899	929	930	900	930	899	929	10952
MEAN	37.2	41.2	49.4	56.2	64.6	70.5	73.6	73.6	68.5	57.3	49.8	41.6	57.0
S.D.	10.710	10.077	9.552	7.953	6.334	4.940	3.167	2.953	5.617	7.639	9.490	9.527	14.800
TOTAL OBS	930	844	930	900	930	899	930	930	900	929	900	930	10952
MEAN	35.0	39.1	47.4	54.3	63.1	69.2	72.7	72.4	67.0	54.8	47.0	38.9	55.1
S.D.	10.804	10.004	9.546	8.132	6.348	4.869	3.133	2.977	5.881	7.995	9.759	9.557	15.278
TOTAL OBS	930	846	930	900	930	900	930	928	899	930	900	930	10953
MEAN	33.0	36.7	44.8	51.6	60.7	67.0	71.0	70.7	65.2	52.4	44.8	37.0	53.0
S.D.	10.984	10.219	9.688	8.376	6.746	4.976	3.193	3.095	6.136	8.199	9.887	9.856	15.483
TOTAL OBS	930	846	930	898	930	899	930	927	900	930	897	930	10947
MEAN	33.5	36.7	45.1	52.0	61.1	67.5	71.3	71.1	65.6	52.8	45.4	37.3	53.4
S.D.	11.442	10.850	10.298	9.044	7.426	5.709	3.880	3.877	6.530	8.831	10.289	10.328	15.803
TOTAL OBS	7439	6763	7440	7197	7438	7196	7437	7431	7199	7439	7196	7439	87618

USAF ETAC FORM 0-89.5 (OLA)
OCT 78

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

723267 MCGHEE TYSON AIRPORT TN

73-83

STATION

STATION NAME

YEARS

HRS LIST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	27.9	29.8	38.2	44.9	56.6	63.7	68.2	68.0	62.6	48.5	40.0	31.5	48.4
S D	13.410	12.430	11.563	10.371	8.512	6.235	3.737	3.740	6.805	9.705	11.666	12.769	17.443
TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10950
3-02	MEAN	27.3	29.4	37.6	44.3	55.7	62.9	67.5	67.3	61.9	47.2	39.2	47.7
	S D	13.449	12.450	11.508	10.150	8.391	6.176	3.806	3.865	6.837	9.663	11.498	17.335
	TOTAL OBS	930	844	930	900	930	899	930	927	900	930	900	10950
6-08	MEAN	26.8	28.8	37.4	44.6	55.9	63.3	67.6	67.2	61.5	46.7	38.5	47.5
	S D	13.701	12.271	11.558	10.188	8.465	6.083	3.721	3.904	6.920	9.598	11.459	17.548
	TOTAL OBS	929	846	930	900	930	900	929	929	900	930	900	10953
9-11	MEAN	27.9	30.1	39.2	46.1	58.1	65.3	69.3	69.0	63.3	49.2	40.7	49.3
	S D	13.639	12.244	11.794	10.840	8.671	6.415	3.892	3.792	6.818	9.604	11.340	17.747
	TOTAL OBS	930	845	930	899	928	900	929	930	900	930	900	10951
12-14	MEAN	28.9	31.0	40.0	46.1	58.3	65.2	69.1	69.1	63.5	49.1	41.2	49.6
	S D	14.155	12.617	12.498	11.711	9.117	7.311	4.215	4.052	7.358	10.604	12.368	17.799
	TOTAL OBS	930	846	930	900	930	899	929	930	900	930	899	10952
15-17	MEAN	28.9	30.8	39.3	45.1	57.6	64.3	68.2	68.1	62.7	48.5	40.9	49.0
	S D	14.329	12.962	12.642	12.070	9.397	7.499	4.385	4.282	7.519	11.790	12.981	17.743
	TOTAL OBS	930	844	930	900	930	899	930	930	900	929	900	10952
18-20	MEAN	28.6	30.5	38.6	44.8	57.5	64.3	68.4	68.3	62.9	48.7	40.5	48.9
	S D	13.879	12.705	12.558	12.060	9.228	7.097	4.319	4.164	7.332	10.691	12.716	17.780
	TOTAL OBS	930	846	930	900	930	900	930	928	899	930	900	10953
21-23	MEAN	28.1	30.4	38.6	45.0	57.5	64.4	68.6	68.5	62.9	49.0	40.3	48.9
	S D	13.299	12.438	11.798	11.221	8.670	6.389	3.882	3.685	6.936	9.811	12.107	17.603
	TOTAL OBS	930	846	930	898	930	899	930	927	900	930	897	10997
ALL HOURS	MEAN	28.0	30.1	38.6	45.1	57.2	64.2	68.4	68.2	62.7	48.4	40.2	48.7
	S D	13.748	12.529	12.021	11.114	8.857	6.715	4.046	3.993	7.096	10.141	12.055	17.639
	TOTAL OBS	7439	6763	7440	7197	7438	7196	7437	7431	7199	7439	7196	87618

RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.6	99.1	88.1	77.3	48.8	22.7	78.1	930
	03-05	100.0	100.0	100.0	99.7	97.6	90.3	76.5	56.	23.7	79.9	930
	06-08	100.0	100.0	100.0	99.5	97.6	91.9	80.9	58.6	26.7	81.0	929
	09-11	100.0	100.0	100.0	98.8	94.4	83.8	65.2	43.9	18.0	76.1	930
	12-14	100.0	100.0	99.1	91.6	76.9	58.6	38.	25.1	12.2	65.7	930
	15-17	100.0	100.0	98.8	87.3	64.6	46.6	32.6	21.0	10.8	61.2	930
	18-20	100.0	100.0	99.5	85.4	62.7	44.6	34.5	21.2	14.5	66.8	930
	21-23	100.0	100.0	100.0	99.1	94.6	82.2	59.9	40.2	17.3	74.9	930
TOTALS		100.0	100.0	99.4	95.9	88.0	75.8	58.2	40.7	18.1	73.2	7439

RELATIVE HUMIDITY

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MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	98.3	97.1	88.0	59.6	35.7	16.5	73.9	846
	03-05	100.0	100.0	100.0	99.4	95.6	90.3	70.7	47.7	19.2	77.8	644
	06-08	100.0	100.0	100.0	99.9	96.8	92.4	78.7	54.1	22.6	79.8	846
	09-11	100.0	99.9	99.9	97.6	89.7	74.2	50.7	28.4	12.0	71.7	845
	12-14	100.0	99.9	95.9	80.6	59.3	42.7	26.4	16.0	7.3	58.5	846
	15-17	100.0	99.5	88.3	64.0	48.7	35.1	22.9	14.1	6.7	53.4	844
	18-20	100.0	99.9	96.6	80.7	61.6	45.9	30.0	17.4	8.7	59.8	846
	21-23	100.0	100.0	99.6	96.3	83.0	64.8	43.1	25.2	11.5	68.1	846
TOTALS		100.0	99.9	97.5	89.6	78.3	65.7	47.7	29.7	13.0	67.8	6763

RELATIVE HUMIDITY

74-53

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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	0-02	100.0	100.0	100.0	98.7	91.9	77.2	55.3	32.3	15.6	72.9	930
	03-05	100.0	100.0	99.9	98.9	94.5	84.6	66.2	45.3	21.0	76.9	930
	06-08	100.0	100.0	100.0	99.4	96.6	91.2	73.1	50.5	23.3	79.2	930
	09-11	100.0	100.0	99.4	95.6	84.5	65.6	42.9	25.0	12.9	68.4	930
	12-14	100.0	100.0	94.6	73.7	55.6	39.6	27.7	16.2	5.7	56.8	930
	15-17	100.0	99.0	83.5	58.6	45.4	31.1	22.4	14.0	6.5	52.0	930
	18-20	100.0	99.9	93.3	73.7	53.7	39.0	27.5	18.0	9.2	57.1	930
	21-23	100.0	100.0	99.9	95.3	81.2	57.5	39.0	23.9	11.1	68.6	930
TOTALS		100.0	99.9	96.3	86.7	75.5	60.7	44.2	28.3	13.2	66.2	7440

USAFETACFORM
11-11-AM

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

723261 MCGHEE TYSON AIRPORT TN

74-67

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STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01-12	100.0	100.0	99.7	97.6	91.4	74.4	52.9	30.7	15.7	72.1	900
	03-05	100.0	100.0	99.9	99.6	97.0	87.8	72.1	45.7	21.3	76.1	900
	06-08	100.0	100.0	99.9	99.6	98.3	90.3	75.6	49.3	21.0	79.3	900
	09-11	100.0	100.0	99.1	91.9	71.0	47.1	29.6	19.0	9.8	62.3	899
	12-14	100.0	99.8	93.7	84.4	43.0	27.4	18.4	12.0	4.2	51.3	900
	15-17	100.0	97.4	74.8	50.8	34.1	24.4	15.7	9.3	3.0	46.6	900
	18-20	100.0	99.1	85.9	63.7	45.1	32.7	22.4	11.9	4.6	52.2	900
	21-23	100.0	100.0	98.7	98.2	70.6	52.9	33.5	21.2	10.5	63.4	898
TOTALS		100.0	99.5	93.3	82.0	68.7	54.6	40.1	24.9	10.9	63.2	7197

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

RELATIVE HUMIDITY

707257 HOGGEE TYSON AIRPORT TN

74-50

AV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
MAY	00-02	100.0	100.0	100.0	99.8	98.4	92.8	84.8	68.0	19.0	54.7	97
	03-05	100.0	100.0	100.0	100.0	99.6	96.9	91.9	80.2	53.9	48.9	97
	06-08	100.0	100.0	100.0	99.9	99.2	95.8	89.8	75.8	44.3	46.9	97
	09-11	100.0	100.0	99.9	98.6	90.3	75.2	53.3	29.8	8.0	31.1	909
	12-14	100.0	100.0	98.3	86.8	67.1	45.3	26.9	13.0	5.7	59.9	97
	15-17	100.0	100.0	97.7	88.1	57.7	40.6	26.7	13.9	5.3	57.1	97
	18-20	100.0	100.0	97.4	87.6	73.2	56.0	41.1	25.8	9.6	54.7	97
	21-23	100.0	100.0	100.0	98.9	93.5	83.8	69.0	49.4	27.8	77.4	97
TOTALS		100.0	100.0	98.7	93.7	84.9	73.3	60.4	44.4	27.2	73.8	7438

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

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MCGHEE TYSON AIRPORT TN

74-93

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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	1-2	100.0	100.0	100.0	100.0	99.9	97.7	90.9	73.2	34.3	16.1	900
	3-5	100.0	100.0	100.0	100.0	99.7	99.3	97.0	87.7	52.9	20.4	899
	6-8	100.0	100.0	100.0	100.0	99.9	98.6	95.6	80.4	40.3	17.8	900
	9-11	100.0	100.0	99.9	99.1	95.7	82.9	56.7	25.0	6.8	22.1	900
	12-14	100.0	100.0	98.6	93.4	76.4	49.1	19.9	7.3	2.4	60.4	899
	15-17	100.0	100.0	98.3	85.9	64.7	35.0	18.6	9.7	2.7	57.0	899
	18-20	100.0	100.0	99.3	94.0	79.4	56.9	34.7	18.4	5.6	64.5	900
	21-23	100.0	100.0	100.0	100.0	98.8	90.7	73.1	46.6	17.4	73.3	899
TOTALS		100.0	100.0	99.5	96.6	89.3	76.3	60.8	43.6	20.3	74.6	7196

USAFETAC

FORM 1-11-64

0-87-5 (OL A)

RELATIVE HUMIDITY

JPL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-01	100.0	100.0	100.0	100.0	100.0	99.0	95.3	76.9	35.6	86.6	930
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	97.7	88.4	54.5	90.3	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	97.2	81.9	39.5	87.9	929
	09-11	100.0	100.0	100.0	99.9	98.3	86.5	56.3	24.8	5.0	72.5	929
	12-14	100.0	100.0	100.0	98.1	87.9	45.0	18.7	7.7	2.7	60.6	929
	15-17	100.0	100.0	99.5	92.8	65.5	34.4	20.3	11.5	3.5	58.3	930
	18-20	100.0	100.0	99.8	97.3	85.3	58.3	35.4	20.2	5.4	65.8	930
	21-23	100.0	100.0	100.0	100.0	99.0	94.5	76.9	48.6	14.6	79.1	930
TOTALS		100.0	100.0	99.9	98.5	91.1	77.2	62.1	45.0	27.4	75.2	7437

RELATIVE HUMIDITY

74-23

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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.9	99.8	97.1	82.7	28.9	66.8	930
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	99.0	93.3	40.0	90.3	927
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.6	91.4	41.6	89.4	929
	09-11	100.0	100.0	100.0	100.0	99.5	92.3	65.3	27.5	5.6	74.5	93
	12-14	100.0	100.0	100.0	98.2	85.6	46.8	27.3	6.7	1.5	61.5	930
	15-17	100.0	100.0	99.9	93.7	68.4	34.3	18.1	7.3	2.0	50.0	930
	18-20	100.0	100.0	100.0	98.4	89.0	64.5	40.6	19.3	3.9	67.3	928
	21-23	100.0	100.0	100.0	100.0	99.6	97.5	86.3	54.3	10.4	80.6	927
TOTALS		100.0	100.0	100.0	98.8	92.8	79.4	65.7	47.9	17.7	76.1	7431

USAFETACFORM
MB A-1

0-87-5 (OL A)

RELATIVE HUMIDITY

73-87

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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	99.8	96.7	80.7	35.6	87.5	970
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.4	90.3	53.3	90.9	900
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	99.7	92.0	53.0	90.8	900
	09-11	100.0	100.0	100.0	99.8	98.7	91.8	71.7	40.8	12.6	77.3	900
	12-14	100.0	100.0	99.7	96.0	79.8	52.7	29.7	14.3	6.3	63.6	900
	15-17	100.0	100.0	99.1	90.1	65.0	40.6	25.4	15.0	6.7	56.9	900
	18-20	100.0	100.0	99.8	97.2	89.1	70.6	46.2	26.6	9.0	69.8	899
	21-23	100.0	100.0	100.0	100.0	99.7	97.0	84.0	58.2	18.8	81.7	900
TOTALS		100.0	100.0	99.8	97.9	91.5	81.6	69.1	52.2	24.4	77.7	7199

USAFETAC FORM 118 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

723267 MCGHEE TYSON AIRPORT TN

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	99.7	96.5	87.2	66.5	32.2	54.6	930
	03-05	100.0	100.0	100.0	100.0	99.9	98.5	93.7	78.3	46.9	88.1	930
	06-08	100.0	100.0	100.0	100.0	99.9	99.4	96.2	83.3	48.7	89.0	930
	09-11	100.0	100.0	100.0	98.9	93.7	81.4	61.0	37.7	14.4	74.5	930
	12-14	100.0	100.0	97.2	82.8	59.7	34.2	20.7	12.4	5.5	56.8	930
	15-17	100.0	99.4	92.7	71.4	45.7	25.9	18.1	11.7	6.4	52.8	929
	18-20	100.0	100.0	98.4	93.7	77.7	53.9	35.4	19.1	9.5	64.7	930
	21-23	100.0	100.0	100.0	99.7	97.7	87.4	69.8	43.8	17.6	77.6	930
TOTAL		100.0	99.9	98.5	93.3	84.2	72.2	60.1	44.1	22.6	73.5	7439

USAFETAC

FORM
AN 54

D-87-5 (OL A)

RELATIVE HUMIDITY

2-4

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.6	97.3	95.4	75.2	50.7	27.4	71.3	970
	03-05	100.0	100.0	100.0	99.8	98.7	95.2	82.4	63.8	25.9	62.3	970
	06-08	100.0	100.0	100.0	99.6	98.7	95.9	87.7	66.7	28.3	63.3	970
	09-11	100.0	100.0	99.7	98.7	94.2	79.6	58.1	33.1	12.9	73.5	900
	12-14	100.0	100.0	97.0	84.1	61.1	40.4	26.4	16.6	7.0	52.9	899
	15-17	100.0	100.0	92.2	72.2	50.4	36.7	25.7	17.0	6.8	55.7	970
	18-20	100.0	100.0	99.4	91.6	75.0	55.7	38.1	24.1	10.6	65.4	970
	21-23	100.0	100.0	100.0	98.8	93.1	80.4	58.8	36.0	16.9	74.4	897
TOTALS		100.0	100.0	98.5	93.0	83.5	71.8	56.6	38.5	16.1	71.6	7196

RELATIVE HUMIDITY

77-82

DEC

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.5	97.5	89.0	69.1	44.7	19.1	77.6	93
	03-05	100.0	100.0	100.0	100.0	98.8	93.3	77.6	53.5	22.8	80.4	93
	06-08	100.0	100.0	100.0	100.0	99.1	95.5	81.9	58.2	26.3	82.7	93
	09-11	100.0	100.0	99.9	99.4	94.3	82.7	62.5	40.2	17.0	75.3	930
	12-14	100.0	99.9	98.3	89.6	77.2	48.2	32.1	19.9	9.9	62.5	929
	15-17	100.0	100.0	95.5	79.4	58.1	40.9	28.6	17.5	7.7	58.4	93
	18-20	100.0	100.0	99.9	94.5	87.0	59.2	40.9	24.4	10.3	66.6	930
	21-23	100.0	100.0	100.0	98.2	93.7	78.9	57.7	33.4	13.7	73.3	930
TOTALS		100.0	100.0	99.2	95.1	86.4	73.5	56.2	36.5	15.9	72.7	7439

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

RELATIVE HUMIDITY

723267 MCGHEE TYSON AIRPORT TN

73-80

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.4	95.9	88.7	75.8	58.2	40.7	18.1	73.2	7439
FEB		100.0	99.9	97.5	89.6	78.3	65.7	47.7	29.7	13.7	67.8	6763
MAR		100.0	99.9	96.3	86.7	75.5	60.7	44.2	28.3	13.2	66.2	7447
APR		100.0	99.5	93.3	82.7	68.7	54.6	40.1	24.9	10.9	63.2	7197
MAY		100.0	100.0	98.7	93.7	84.9	73.3	60.4	44.4	23.2	73.8	7438
JUN		100.0	100.0	99.5	96.6	89.3	76.3	60.8	43.6	20.3	74.6	7196
JUL		100.0	100.0	99.9	98.5	91.1	77.2	62.1	45.1	20.4	75.2	7437
AUG		100.0	100.0	100.0	98.8	92.8	79.4	65.7	47.9	17.7	76.1	7431
SEP		100.0	100.0	99.8	97.9	91.5	81.6	69.1	52.2	24.4	77.7	7199
OCT		100.0	99.9	98.5	93.3	84.2	72.2	60.1	44.1	22.6	73.5	7439
NOV		100.0	100.0	98.5	93.1	83.5	71.8	56.6	38.5	16.1	71.6	7196
DEC		100.0	100.0	99.2	95.1	86.4	73.5	56.2	36.5	15.9	72.7	7439
TOTALS		100.0	99.9	98.4	93.4	84.5	71.8	56.8	39.7	18.0	72.1	87614

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

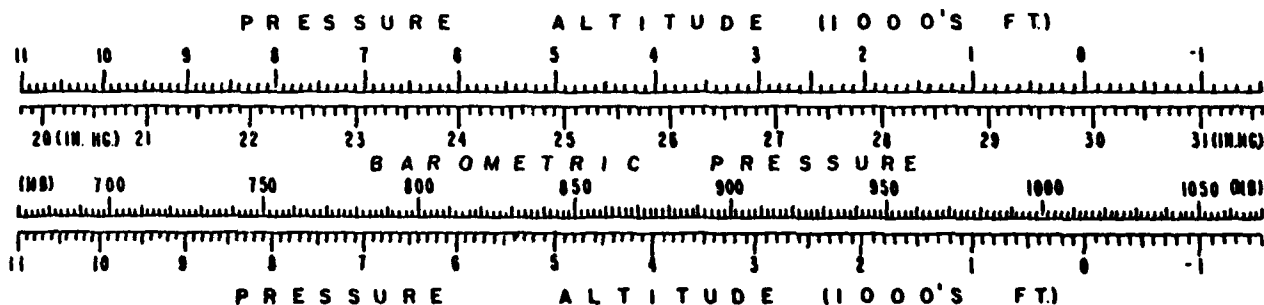
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

722267 MCGHEE TYSON AIRPORT TN
STATION STATION NAME

73-87

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN 29.05729	04128	96828	98928	94528	98529	1529	73929	02229	6229	07829	071	29.021
	S D .202	.199	.191	.169	.117	.103	.083	.078	.105	.147	.151	.109	.157
	TOTAL OBS 310	282	310	300	310	300	310	310	300	310	300	310	3652
4	MEAN 29.04929	02428	95028	97328	93328	97128	99829	02429	00729	05329	06929	063	29.009
	S D .205	.205	.198	.175	.121	.103	.084	.080	.107	.145	.155	.203	.161
	TOTAL OBS 310	282	310	300	310	300	310	310	300	310	300	310	3652
7	MEAN 29.06529	05028	98429	01428	97229	00929	03729	06229	04229	08829	09629	083	29.042
	S D .211	.206	.205	.184	.129	.106	.087	.084	.109	.152	.158	.209	.165
	TOTAL OBS 310	282	310	299	310	300	310	310	300	310	300	310	3651
10	MEAN 29.09229	07129	00329	02528	97929	01529	04429	07529	05629	10429	11729	104	29.057
	S D .209	.209	.205	.186	.127	.108	.088	.085	.108	.156	.158	.210	.166
	TOTAL OBS 309	282	310	300	310	300	309	310	300	310	300	310	3652
13	MEAN 29.06429	05228	98429	00428	96228	99929	03029	05529	03429	07129	08329	070	29.034
	S D .203	.210	.198	.177	.121	.108	.090	.082	.105	.150	.156	.205	.161
	TOTAL OBS 310	282	310	300	310	299	309	310	299	310	300	310	3649
16	MEAN 29.02329	00128	93128	95128	91428	95028	98129	00028	98129	02329	04029	034	28.986
	S D .201	.202	.186	.164	.114	.102	.086	.082	.104	.143	.150	.194	.159
	TOTAL OBS 310	281	310	300	310	299	310	310	300	309	299	310	3648
19	MEAN 29.05129	02328	94728	95828	91928	95328	98229	00528	99329	04329	06329	060	29.000
	S D .205	.199	.181	.162	.111	.096	.082	.080	.104	.139	.152	.191	.159
	TOTAL OBS 310	282	310	300	310	300	310	309	300	310	300	310	3651
22	MEAN 29.05729	03228	96628	98228	94028	97629	00529	03129	01029	05929	06929	064	29.016
	S D .206	.195	.181	.164	.109	.096	.082	.076	.105	.137	.152	.192	.153
	TOTAL OBS 310	282	310	299	310	300	310	309	300	310	299	310	3649
ALL HOURS	MEAN 29.05729	03728	96628	98728	94528	98229	01229	03629	01929	06329	07729	069	29.021
	S D .207	.204	.194	.174	.121	.105	.088	.085	.108	.147	.155	.201	.161
	TOTAL OBS 2479	2255	2480	2398	2480	2398	2478	2478	2398	2479	2398	2480	24203

USAF ETAC FORM 0-89.5 (OL A)
OCT 78

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

700267 MCGHEE TYSON AIRPORT TN
STATION

73-63

YEARS

HRS INT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN	1020.01	1019.31	1018.31	1016.71	1014.91	1016.11	1016.91	1017.71	1017.41	1019.21	1020.21	1020.3	1017.9
	S D	7.407	7.221	6.810	5.963	4.061	3.546	2.927	2.764	3.751	5.57	5.494	7.152	5.774
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
4	MEAN	1019.91	1018.91	1015.91	1016.41	1014.71	1015.81	1016.61	1017.51	1017.21	1019.21	1020.11	1020.3	1017.7
	S D	7.580	7.438	7.135	6.233	4.258	3.687	2.980	2.842	3.775	5.247	5.610	7.364	5.893
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
7	MEAN	1020.41	1019.71	1016.91	1017.71	1015.91	1016.91	1017.71	1018.61	1018.21	1020.31	1021.01	1020.8	1018.7
	S D	7.638	7.591	7.324	6.518	4.479	3.740	3.067	2.965	3.878	5.539	5.762	7.511	5.986
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	1021.81	1020.71	1017.91	1018.31	1016.31	1017.41	1018.21	1019.41	1019.01	1021.21	1021.91	1021.8	1019.5
	S D	7.612	7.668	7.383	6.590	4.496	3.802	3.120	2.993	3.886	5.555	5.819	7.657	6.288
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
13	MEAN	1020.21	1019.61	1016.81	1017.21	1015.41	1016.51	1017.51	1018.31	1017.81	1019.61	1020.31	1020.2	1018.3
	S D	7.393	7.663	7.049	6.249	4.240	3.732	3.198	2.924	3.692	5.388	5.587	7.474	5.847
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	1019.11	1018.01	1015.21	1015.61	1014.01	1015.11	1016.01	1016.61	1016.21	1018.21	1019.11	1019.3	1016.9
	S D	7.252	7.366	6.629	5.792	4.021	3.634	3.030	2.888	3.688	5.138	5.432	6.985	5.649
	TOTAL OBS	310	281	310	300	310	299	310	310	300	309	299	310	3648
19	MEAN	1019.81	1018.71	1015.61	1015.71	1014.01	1015.01	1015.81	1016.61	1016.41	1018.81	1019.71	1020.0	1017.2
	S D	7.433	7.138	6.484	5.693	3.847	3.397	2.937	2.804	3.685	5.325	5.464	6.883	5.678
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
22	MEAN	1020.51	1019.31	1016.61	1016.81	1015.01	1016.01	1016.91	1017.81	1017.51	1019.61	1020.21	1020.5	1018.0
	S D	7.370	7.125	6.540	5.824	3.881	3.471	2.901	2.674	3.758	4.980	5.532	6.911	5.618
	TOTAL OBS	310	282	310	299	310	300	310	309	300	310	299	310	3649
ALL HOURS	MEAN	1020.21	1019.31	1016.41	1016.81	1015.01	1016.11	1016.91	1017.81	1017.51	1019.51	1020.31	1020.4	1018.0
	S D	7.481	7.430	6.961	6.170	4.234	3.696	3.111	2.991	3.853	5.307	5.636	7.260	5.861
	TOTAL OBS	2480	2255	2480	2399	2480	2399	2479	2478	2400	2479	2398	2480	29207

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